Received:
Reviewed: 2/25/92
Recommend: L
by G. Ferreira

SITE INSPECTION

GEORGIA-PACIFIC CORPORATION

PENNSAUKEN, CAMDEN COUNTY

EPA ID.: NJD002514750

New Jersey Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
Bureau of Site Assessment

6/91

GEORGIA-PACIFIC CORPORATION
175 DEROUSSE AVENUE
PENNSAUKEN, CAMDEN COUNTY, NEW JERSEY
EPA ID # NJD002514750

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NARRATIVE

GEORGIA-PACIFIC CORPORATION
175 DEROUSSE AVENUE
PENNSAUKEN, CAMDEN COUNTY, NEW JERSEY
EPA ID # NJD002514750

GENERAL INFORMATION AND SITE HISTORY

The Georgia-Pacific Corporation (Georgia-Pacific) site, 13.2 acres in size, is located on Block 109, Lot 11 in a industrial area of Pennsauken, Camden County. Georgia-Pacific has owned and occupied this site since 1925. To the north the site is bordered by the Delaware River; to the east, west and south the site is bordered by the Amerada Hess Oil Company. The population within a 4-mile radius of the site is approximately 343,000.

SITE OPERATIONS OF CONCERN

The Georgia-Pacific site is an active paper recycling facility. Raw waste paper is shredded and any plastic and metal are removed. The paper then undergoes a wet process that mulches it into a wet slurry. Finally the paper is rolled and dried to be used as a heavy grade paper backing for gypsum wallboard.

Process wastewater and stormwater undergo screening and primary clarification with 95 percent of the effluent being recycled back to the plant. The remaining 5 percent of effluent goes to a synthetically lined 2,000,000-gallon aeration lagoon for stabilization, then to a secondary clarifier before being discharged into the Delaware River (Attachment A). There is also an unlined lagoon at the site that is not presently in use. A review of aerial photographs revealed that both lagoons first appeared at the site in 1974.

Georgia-Pacific filed a Hazardous Waste Permit Application with the United States Environmental Protection Agency (USEPA) in 1980 in accordance with the requirements of the Resource Conservation Recovery Act (RCRA). Georgia-Pacific listed a container process with a design capacity of 1,000,000 gallons and an estimated annual quantity of 8,000 tons of ignitable waste and 50,000 pounds of spent halogenated solvent waste (Attachment B). In 1982 Georgia-Pacific advised the USEPA that the waste generated at the facility was not stored for longer than 90 days and the storage unit identified was never used (Attachment C).

The New Jersey Department of Environmental Protection (NJDEP), Division of Hazardous Waste Management (DHWM), Bureau of Hazardous Waste Engineering (BHWE) determined in 1983 that Georgia-Pacific's hazardous waste treatment, storage or disposal (TSD) facility listed on the Hazardous Waste Permit Application was excluded from the NJDEP's list of existing facilities and the site was classified only as a generator of hazardous waste (Attachment D). Inspections conducted by the NJDEP, DHWM, Bureau of Southern Enforcement (BSE) in 1983 and 1987 disclosed that the only hazardous waste generated at the site was lubricating and cooling waste oil that is being burned in the plant boilers (Attachment E).

The NJDEP, DWR issued to Georgia-Pacific Treatment Works Approval (TWA) Construction and Operation Permit # 89-2175-4N to construct and operate a treatment works consisting of an aerated stabilization tank, an influent

flow control tank and a pumping station. This permit became effective in September 1989 and expires in December 1991 (Attachment F).

A Pre-Sampling Assessment (PSA) conducted by the NJDEP, DHWM, Bureau of Planning and Assessment (BPA) on May 31, 1991 revealed that the aerated stabilization tank was constructed over the site of the unlined lagoon. Mr. Doug Dutton, Senior Environmental Engineer for Georgia-Pacific, stated that the unlined lagoon was built as an emergency overflow receptor for the primary clarifiers, but was never used (Attachment O). At the present time the plant is not operating at 100 percent capacity; thus, not enough wastewater is being generated to use the aeration tank. When the tank is operating it will replace the existing lined lagoon, which will then be used for emergency overflows from the primary clarifiers. In addition, when the tank is operational the wastewater discharge from the site will be greatly reduced as more is recycled through the plant process.

There have been two spills at the site, one in November 1986 involving the release of approximately 20 gallons of Hercon-32, a water soluble glue resin, that was cleaned up by Georgia-Pacific and put into the plant wastewater treatment system; and one in December 1988 involving the spillage of approximately 40 gallons of #6 fuel oil that was contained on the loading dock. Clean Harbors of Kingston, Inc., of Deptford, New Jersey cleaned up the spill the day after it occurred (Attachment G).

GROUNDWATER ROUTE

Camden County is in the Atlantic Coastal Plain Physiographic Province which is underlain by unconsolidated sediments of Quaternary, Tertiary and Cretaceous age, consisting mostly of alternating sands, silts and clays. The sediments dip gently to the southeast and thicken from 40 feet at the Delaware River to 2,900 feet at the Camden-Atlantic County line (Attachment H). The major freshwater aquifers in Camden County are sands and gravels of Cretaceous and Tertiary age in the Potomac Group and the Raritan and Magothy Formations, the Cohansey Sand, the Wenonah Formation-Mount Laurel Sand and the Englishtown Formation. Minor aquifers are found in parts of the Merchantville Formation, the undifferentiated Vincentown and Manasquan Formations and the Kirkwood Formation. Saturated sands and gravels in the surficial deposits of Quaternary age, where in direct contact, are commonly hydraulically connected to the underlying aquifers (Attachment H).

The Georgia-Pacific site is located in the Potomac-Raritan-Magothy Aquifer systems which are fluvial-marginal marine sediments of early to late Cretaceous age and overlie Pre-Cretaceous crystalline rocks. The system is made up of aquifers consisting of sand with gravel and confining units of silts and clays overlain in the outcrop area by highly permeable Pleistocene sand and gravel. The sands are separated into upper, middle and lower hydrologic units. The upper unit consists mainly of the sands of the Magothy Formation while the middle and lower units consist mainly of sand of the Raritan Formation and the Potomac Group. The thickness of the Potomac-Raritan-Magothy systems ranges from approximately 260 feet to approximately 1,210 feet. The aquifer system is confined from below by crystalline bedrock and from above by the thick clay of the Merchantville-Woodbury confining unit which is one of the least permeable confining units in the New Jersey Coastal Plain and limits vertical leakage into the aquifer system from overlying sediments southeast of the outcrop area (Attachment H).

The following public water supply wells are located within a 4-mile radius of the site:

OWNER	DEPTH (feet)	FORMATION *	DISTANCE (miles)
Moorestown Township	385	GKMR	4.0
Merchantville/Pennsauken	152	GKMR	2.5
Merchantville/Pennsauken	147	GKMR	0.8
Merchantville/Pennsauken	279	GKMR	2.0
Merchantville/Pennsauken	262	GKMR	2.1
Merchantville/Pennsauken	140	GKMR	2.5
Merchantville/Pennsauken	231	GKMR	1.8
Merchantville/Pennsauken	274	GKMR	2.4
Merchantville/Pennsauken	262	GKMR	2.4
Merchantville/Pennsauken	277	GKMR	2.3
Merchantville/Pennsauken	290	GKMR	2.3
Merchantville/Pennsauken	270	GKMR	2.3
Merchantville/Pennsauken	211	GKMR	2.3
Merchantville/Pennsauken	288	GKMR	2.1
Merchantville/Pennsauken	227	GKMR	2.1
New Jersey-American Water	262	GKMR	3.3
New Jersey-American Water	270	GKMR	3.3
New Jersey-American Water	197	GKMR	3.2
New Jersey-American Water	176	GKMR	3.2
New Jersey-American Water	170	GKMR	1.9
New Jersey-American Water	192	GKMR	1.9
New Jersey-American Water	198	GKMR	2.0
New Jersey-American water	194	GKMR	1.7
New Jersey-American Water	195	GKMR	1.6
New Jersey-American Water	176	GKMR	2.0
Collingswood Borough	281	GKMR	3.9
Collingswood Borough	290	GKMR	3.8
Collingswood Borough	304	GKMR	3.8
Collingswood Borough	311	GKMR	3.8
Collingswood Borough	281	GKMR	3.7
Collingswood Borough	312	GKMR	3.8
Camden City Water	107	GKMR	1.9
Camden City Water	107	GKMR	1.6
Camden City Water	134	GKMR	1.3
Camden City Water	138	GKMR	0.7
Camden City Water	125	GKMR	1.0
Camden City Water	128	GKMR	0.9
Camden City Water	118	GKMR	1.1
Camden City Water	148	GKMR	0.8
Camden City Water	122	GKMR	0.8
Camden City Water	149	GKMR	0.8
Camden City Water	135	GKMR	0.6
Camden City Water	141	GKMR	0.2
Camden City Water	146	GKMR	0.3
Camden City Water	135	GKMR	0.3
Camden City Water	141	GKMR	0.6
Camden City Water	169	GKMR	0.6
Camden City Water	176	GKMR	0.7
Camden City Water	186	GKMR	0.6
Camden City Water	180	GKMR	0.7
Camden City Water	230	GKMR	3.4

OWNER	DEPTH (feet)	FORMATION *	DISTANCE (miles)
Camden City Water	270	GKMR	3.6
Camden City Water	290	GKMR	3.6

* GKMR = Raritan and Magothy Formations

The population served by these water supplies is approximately 160,000.

The site is located in a highly urbanized area. There are no known potable private wells located within a 4-mile radius of the site.

There are numerous industrial wells located within a 4-mile radius of the site; however, only one industrial well was identified within a 1-mile radius of the site.

Woodward, Clyde Consultants of Plymouth Meeting, Pennsylvania installed five monitoring wells (MW-1, MW-2, MW-3, MW-4 and MW-5) at the site in February 1987. MW-1 is 20 feet deep and is located adjacent to the plant office building. MW-2, 37 feet deep; MW-3, 39 feet deep; MW-4, 20 feet deep; and MW-5, 20 feet deep, were installed around the perimeter of the lined aeration lagoon. Sampling of these wells for chromium, lead and petroleum hydrocarbons (PHCs) was conducted by Georgia-Pacific in July 1987, April 1988, October 1988; and by Woodward Clyde Consultants in July 1989. The sampling results revealed lead contamination in 1987 at 140 parts per billion (ppb) in MW-1, 60 ppb in MW-2, 50 ppb in MW-3 and 110 ppb in MW-5. In April 1988 PHC contamination at 2.4 parts per million (ppm) was detected in MW-3, while in October 1988 lead contamination was detected at 220 ppb in MW-1, 50 ppb in MW-4 and 120 ppb in MW-5. PHC contamination at 7.7 ppm was also detected in MW-4 (Attachment I).

The NJDEP, DWR issued Georgia-Pacific in December 1983 New Jersey Pollution Discharge Elimination System (NJPDES) permit # NJ0004669 for a discharge to surface water from the lined aeration lagoon. The permit was modified in January 1987 to include a requirement that Georgia-Pacific monitor actual or potential discharges to groundwater from the lined aeration lagoon (Attachment J). This permit expired in January 1989; however, the NJDEP, DWR received a renewal application in September 1989.

SURFACE WATER ROUTE

The only surface water located downslope of the site is the Delaware River, located approximately 100 feet from the site. No potable surface water intakes are located within 15 miles downstream of the site; however, the Delaware River is tidal in this area and the following potable surface water intakes are located within 15 mile upstream of the site:

OWNER	DISTANCE (stream miles)	POPULATION SERVED
City of Philadelphia	6.3	792,000
City of Burlington	14.3	10,000
Borough of Bristol	14.6	40,000

The Delaware River also supports industrial and recreational usage.

In March 1986 the NJDEP, DWR collected one grab and two 24-hour composite water samples from the aeration lagoon effluent.

The sample results revealed lead contamination at 13 ppb, 217 ppb and 26 ppb, and zinc contamination at 89 ppb, 1,795 ppb and 97 ppb. Georgia-Pacific sampled the effluent in July 1987 and in April and October 1988. The July 1987 sample was analyzed for chromium, lead, volatile organic compounds (VOCs) and base/neutral (B/N) compounds. VOC analyses was not performed on the samples collected in 1988. Sample results revealed PHC contamination at 13.2 ppm in July 1987 and 7.7 ppm in October 1988 (Attachment K).

As required by the Delaware River Basin Commission, Georgia-Pacific sampled the lagoon effluent in June 1990. The samples were analyzed for VOCs, acid extractable (AE) compounds, pesticides, polychlorinated biphynels (PCBs) and metals. All sample results were either below minimum detection limits or the applicable NJDEP action levels (Attachment K).

Palustrine open water, emergent, forested and broad-leaved deciduous freshwater wetlands and riverine, intermittent, flat coastal wetlands are located within 1 mile downslope of the site.

Within a 1-mile radius of the site, which is located in the United States Geological Survey (USGS) Camden Quadrangle, is habitat associated with the following federal and state threatened and endangered species: shortnose sturgeon, American shad, bog turtle, wood turtle and peregrine falcon.

AIR ROUTE

The New Jersey State Department of Health, Air Pollution Control Program conducted stack sampling for sulfur dioxide (SO2) emissions from the plant boiler stack in September 1968 and February 1969. During the 1968 sampling episode the stack emissions exceeded the allowable SO2 standard of 96 pounds per hour and during the 1969 sampling episode the emissions exceeded the SO2 standard of 48.3 pounds per hour (Attachment L).

At the present time Georgia-Pacific does not have any permits from the NJDEP, Division of Environmental Quality (DEQ). Present plant activities do not present a potential for air releases.

SOIL

The soil at the site is classified as Made Land and consists of areas where the soil material has been so mixed by excavation, filling or other disturbances that the original soil horizons have been destroyed. Along the Delaware River the material making up Made Land came from pumping operations intended to deepen stream channels. These areas contain boulders, sand and gravel.

There has been no soil sampling conducted at the site. Currently only waste oil and small quantities of kerosene and solvents used for the cleaning of parts are generated at the site. The waste oil, which is not stored for more than 90 days, is kept in drums inside the building and is burned in the plant boilers. The kerosene and solvents are used in such small quantities that they are completely used up and no waste is generated. At the present time the only potential that exists for soil contamination would be if there was an overflow of the aeration lagoon. When the aeration tank is operational this potential for soil contamination will no longer exist.

DIRECT CONTACT
This site is not guarded or completely fenced; however, all hazardous wastes generated at the site are stored indoors thus limiting the access of the off-site population. The potential exists for plant employees to come into contact with hazardous substances when solvents are used for parts cleaning and when the waste oil is hand pumped into the boilers.

FIRE AND EXPLOSION
There have been no reported fires or explosions at the site; however, the main product generated is paper which would support a fire or explosion.

ADDITIONAL CONSIDERATION
No damage to flora or off-site property has been reported as a result of current plant activities; however, in 1988 Georgia-Pacific was cited by the NJDEP, DWR for excessive biological oxygen demand (BOD) in the wastewater effluent which is potentially harmful to marine life. Since BOD is not bioaccumulative, there is no danger of contamination of the food chain.

ENFORCEMENT ACTIONS
An Administrative Order (AO) and a Notice of Prosecution (NOP) were issued to Georgia-Pacific by the NJDEP, DEQ in 1967 and 1976, respectively, for excessive smoke emissions from the plant boilers (Attachment M).

The NJDEP, DWR issued to Georgia-Pacific in 1989 an Administrative Order and Notice of Civil Administrative Penalty Assessment for the previously mentioned BOD violations and for not using a NJDEP certified laboratory for sample analyses (Attachment N).

SUMMARY OF SAMPLING DATA

1. Sampling date: September 18, 1968

   Sampled by: NJDOH/APCP
   Trenton, New Jersey

   Samples: Ten boiler stack emmission samples

   Laboratory: NJDOH
   Trenton, New Jersey

   Parameters: Particulate emissions

   Sample description: the back boiler stack

   Contaminants detected:

RUN	EMISSIONS (LBS/HR)	
	ALLOWABLE	ACTUAL
1	96	97
2	96	103
3	96	97
4	96	100
5	96	104
6	96	110
7	96	112

RUN	EMISSIONS (LBS/HR) ALLOWABLE	ACTUAL
8	96	112
9	96	105
10	96	98

QA/QC: The sample results did not undergo a formal review by the NJDEP.

File location: NJDEP/DEQ/BSE
Gibbsboro, New Jersey
(Attachment L)

2. Sampling date: February 2, 1969

Sampled by: NJDOH/APCP
Trenton, New Jersey

Samples: Twelve boiler stack emmission samples

Laboratory: NJDOH
Trenton, New Jersey

Parameters: Particulate emissions

Sample description: the back boiler stack

Contaminants detected:

RUN	EMISSIONS (LBS/HR) ALLOWABLE	ACTUAL
1	48.3	67.6
2	48.3	73.2
3	48.3	75.2
4	48.3	76.7
5	48.3	75.2
6	48.3	63.7
7	48.3	64.3
8	48.3	66.5
9	48.3	63.4
10	48.3	66.6
11	48.3	69.2
12	48.3	69.2

QA/QC: The sample results did not undergo a formal review by the NJDEP.

File location: NJDEP/DEQ/BSE
Gibbsboro, New Jersey
(Attachment L)

3. Sampling date: March 11, 1986

Sampled by:	NJDEP/DWR Gibbsboro, New Jersey
Samples:	Three water samples
Laboratory:	New Jersey Department of Health (NJDOH) Environmental and Chemistry Laboratory Trenton, New Jersey Lab Certification # 11148
Parameters:	Lead and zinc
Sample description:	Sample 41083 is a 24-hour composite sample of the plant wastewater effluent; Sample 41084 is a grab sample of raw water collected at the # 1 Sump; and Sample 41085 is a 24-hour composite of the Delaware River collected at the plant intake.
Contaminants detected:	Lead was detected at 217 ppm in Sample 41084 and zinc was detected at 89 ppb in Sample 41083, 1,795 ppb in Sample 41084 and 97 ppb in Sample 41085.
QA/QC:	The sample results did not undergo a formal review by the NJDEP.
File location:	NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment K)

4. Sampling date: July 12, 1987

Sampled by:	Georgia-Pacific Pennsauken, New Jersey
Samples:	Five groundwater samples
Laboratory:	Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118
Parameters:	Chromium, lead and PHCs
Sample description:	On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5
Contaminants detected:	Lead was detected at 140 ppb in MW-1, 60 ppb in MW-2, 50 ppb in MW-3 and 110 ppb in MW-5. Chromium and PHC sample results were below NJDEP action levels.

	QA/QC:	The sample results did not undergo a formal review by the NJDEP.
	File location:	NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)
5.	Sampling date:	April 25, 1988
	Sampled by:	Georgia-Pacific Pennsauken, New Jersey
	Samples:	Five groundwater samples
	Laboratory:	Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118
	Parameters:	Chromium, lead and PHC
	Sample description:	On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5
	Contaminants detected:	PHCs at 2.4 ppm were detected in MW-3. All other sample results were below NJDEP action levels.
	QA/QC:	The sample results did not undergo a formal review by the NJDEP.
	File location:	NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)
6.	Sampling date:	October 13, 1988
	Sampled by:	Georgia-Pacific Pennsauken, New Jersey
	Samples:	Five groundwater samples
	Laboratory:	Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118
	Parameters:	Chromium, lead and PHCs
	Sample description:	On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5
	Contaminants detected:	Lead was detected at 220 ppb in MW-1, 50 ppb in MW-4 and 120 ppb in MW-5. PHCs were detected at 7.7 ppm in MW-4.

		Chromium sample results were below the NJDEP action level.
	QA/QC:	The sample results did not undergo a formal review by the NJDEP.
	File location:	NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)
7.	Sampling date:	July 7, 1989
	Sampled by:	Woodward Clyde Consultants Plymouth Meeting, Pennsylvania
	Samples:	One surface water and five groundwater samples
	Laboratory:	Princeton Testing Laboratory Princeton, New Jersey Lab Certification # 11118
	Parameters:	Chromium, lead and PHCs
	Sample description:	On-site monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5; and the aeration lagoon
	Contaminants detected:	Chromium at 0.11 ppm, lead at 0.18 ppm and PHCs at 18.5 ppm were detected in the aeration lagoon sample. All groundwater sample results were below NJDEP action levels.
	QA/QC:	The sample results did not undergo a formal review by the NJDEP.
	File location:	NJDEP/DWR/BSE Gibbsboro, New Jersey (Attachment I)
8.	Sampling date:	June 28, 1990
	Sampled by:	Georgia-Pacific Pennsauken, New Jersey
	Samples:	Two water samples
	Laboratory:	QC Laboratories Southhampton, Pennsylvania Lab Certification # 77166
	Parameters:	VOCs, AEs, B/Ns, pesticides, PCBs and metals

Sample description:	Samples 234002 and 234769, collected from the plant wastewater discharge outfall.
Contaminants detected:	All sample results were below minimum detection limits except for lead and zinc which were detected in Sample 234769 at 20 ppb and 170 ppb, respectively. The lead level detected was below the NJDEP Surface Water Criteria and the zinc level detected was below the New Jersey Secondary Drinking Water Regulations, Secondary Maximum Contaminant Level of 500 ppb.
QA/QC:	The sample results did not undergo a formal review by the NJDEP.
File location:	NJDEP/DWR/Bureau of Industrial Discharge Permits Trenton, New Jersey (Attachment K)

RECOMMENDATIONS

The NJDEP, Division of Water Resources, Bureau of Industrial Discharge Permits is the current lead for this site and is monitoring the site under the NJPDES program. The latest round of sampling of the aeration lagoon revealed no contamination in the plant effluent which is currently the only potential source of contamination at the site. In the near future the aeration lagoon will be replaced by an enclosed aeration tank and the majority of the plant effluent will be recycled back into the plant process.

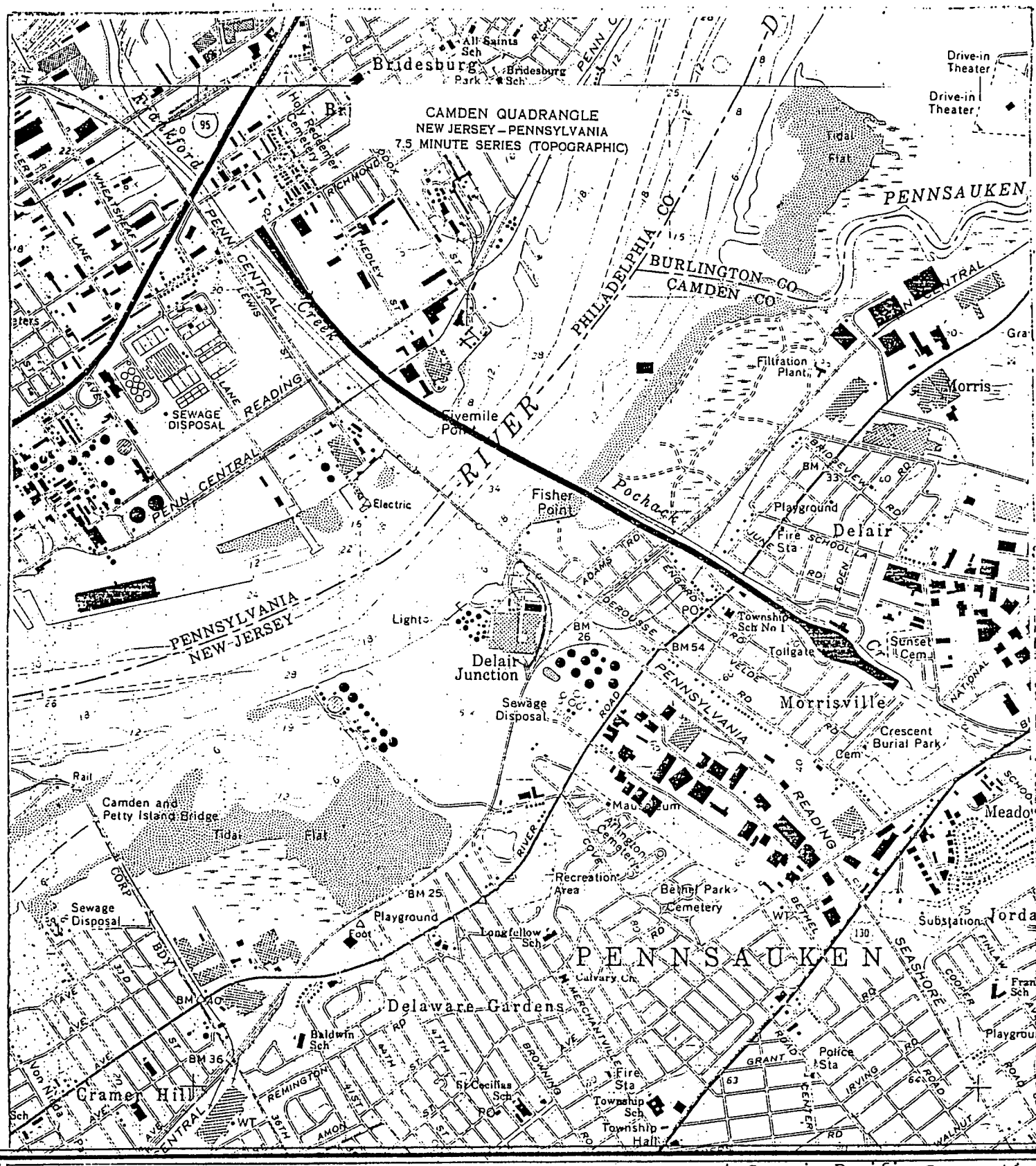
Currently the only hazardous waste generated at the site is waste oil which is stored indoors and is burned in the plant boilers. Solvents are used at the site in small quantities for the cleaning of parts but are not used in plant processes.

Based on the sampling data available and the information obtained during the file review, no further action is required pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) by the NJDEP, DHWM, Bureau of Planning and Assessment.

Submitted by:

Michael Digiore, HSMS IV
NJDEP/Bureau of Planning and Assessment
June 1991

MAPS



SCALE 1:24000

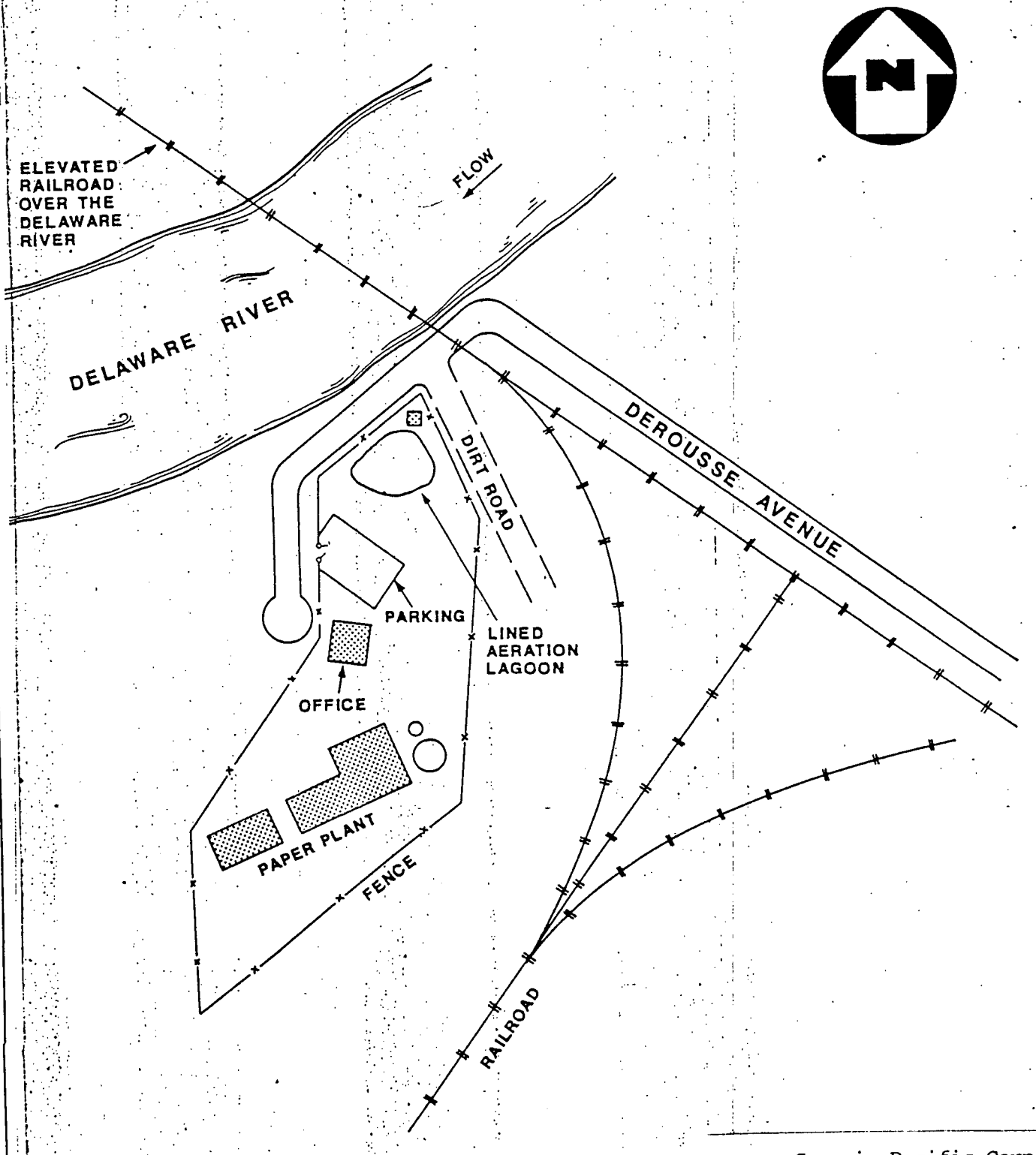
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

Georgia-Pacific Corporation
175 Derousse Avenue
Delair, Camden County
Latitude: 39 58' 38"
Longitude: 75 03' 52"
USGS Topographic Map
Map 1

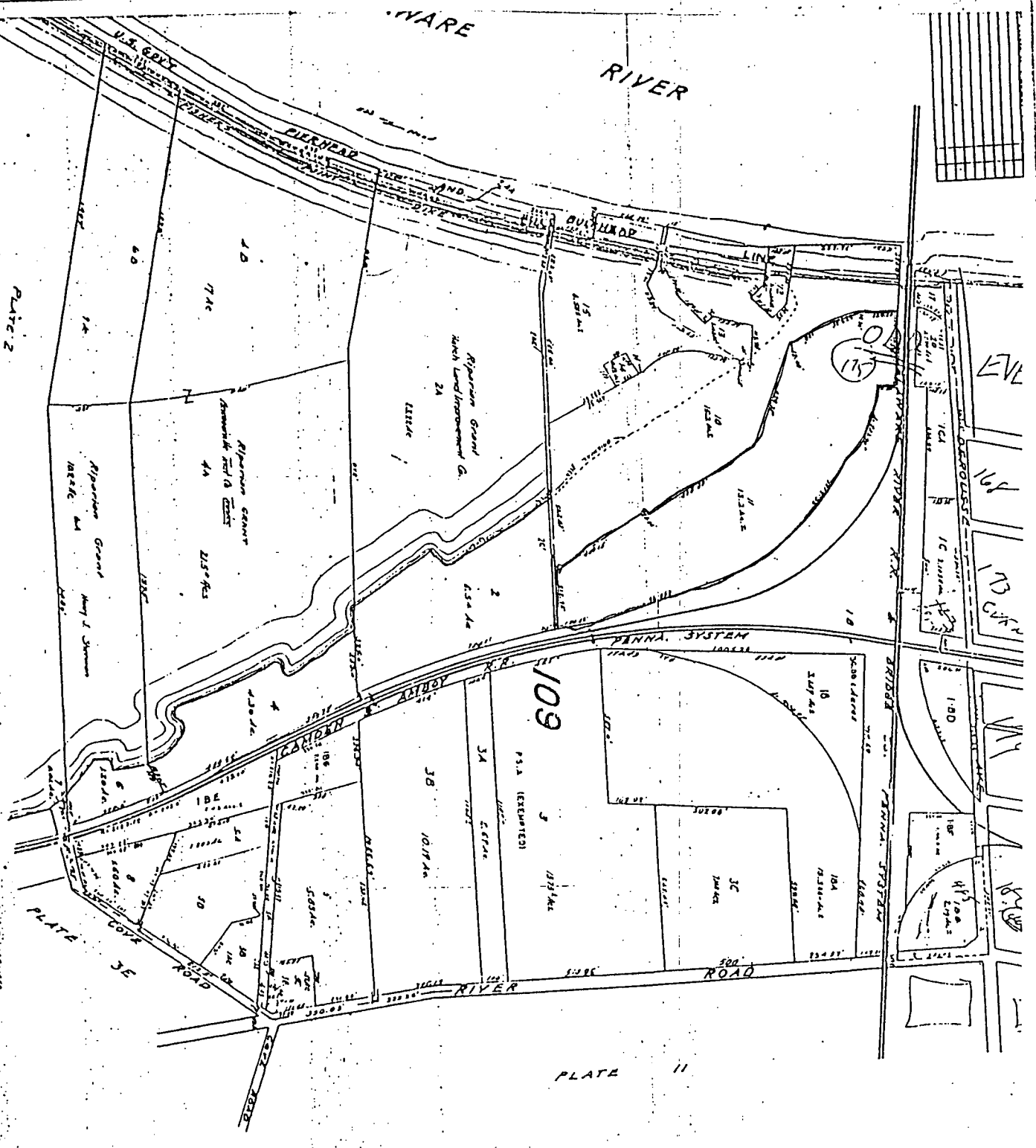


Georgia-Pacific Corporation
175 Derousse Avenue
Delair, Camden County
Site Map
Map 2

SITE MAP

GEORGIA-PACIFIC CORP. (DELAIR), DELAIR, N.J.

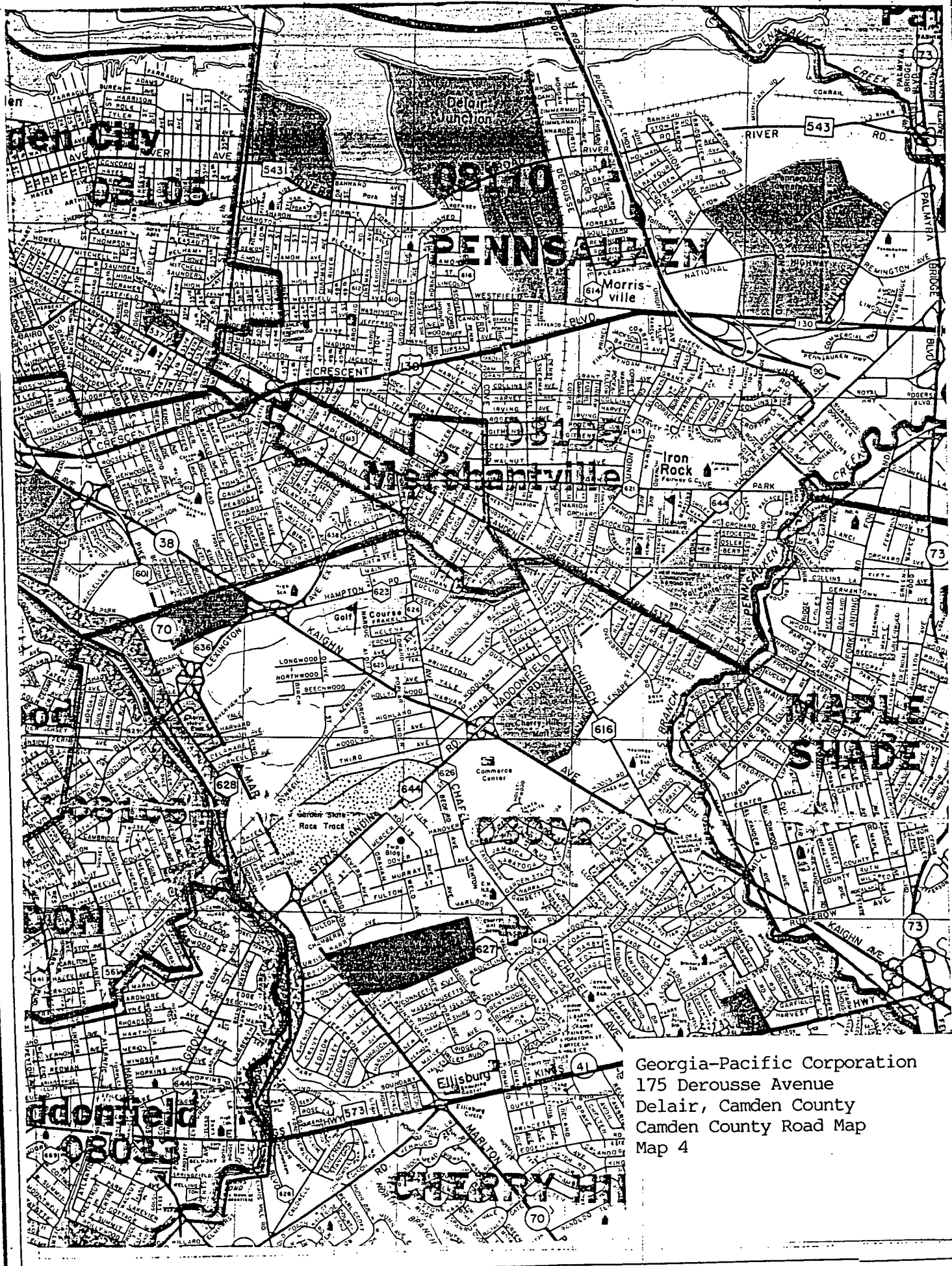
NOT TO SCALE



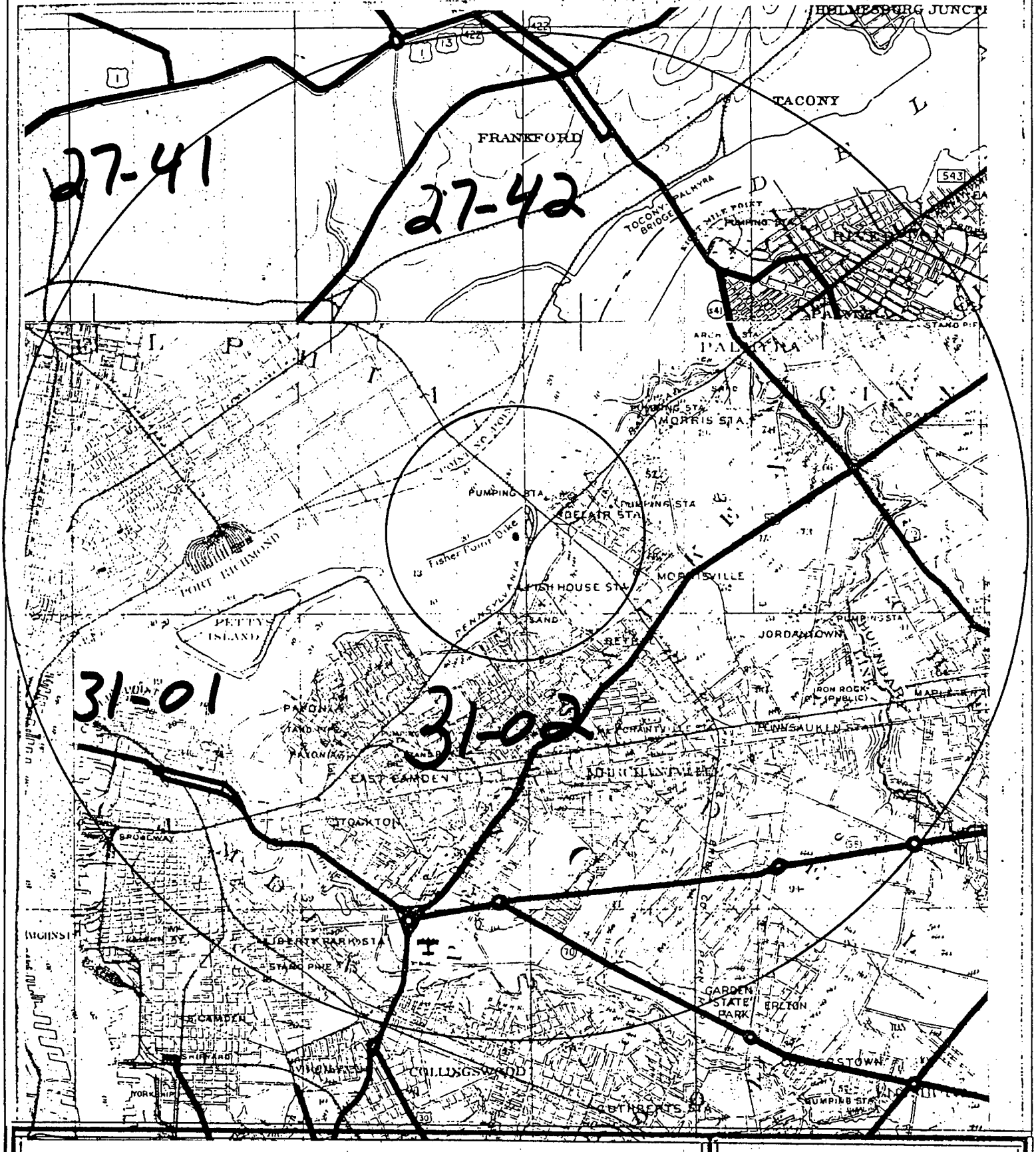
PENNSAUKEN TWP.
CAMDEN CO. N.J.
Plotted from surveys and records
By the West Jersey Title & Guaranty Co.
Camden N.J.
May 20, 1917 Scale 1"=200'
Revised to Oct. 1, 1919
Revised to Oct. 1, 1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960

Revised To Oct 1st - 1946 - 1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960
" " " - 1931 - 1962 - 1963 - 1964-1965-1966-1967-1968-1969
" " " - 1916-1917-1781

Georgia-Pacific Corporation
175 Derousse Avenue
Delair, Camden County
Tax Map
Map 3



Georgia-Pacific Corporation
175 Derousse Avenue
Delair, Camden County
Camden County Road Map
Map 4



Georgia-Pacific Corporation
175 Derousse Avenue
Delair, Camden County
New Jersey Atlas Base Map
Sheets 27 & 31
Map 5

LEGEND FOR ATLAS SHEET 27

△ —— INDUSTRIAL WELL YIELD OVER 70 GALLONS PER MINUTE

□ —— PUBLIC SUPPLY WELL YIELDING OVER 70 GALLONS PER MINUTE

⊕ —— UNSUCCESSFULL ROCK WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

⊙ —— UNSUCCESSFULL SAND WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

[T] —— NO TEST – NO DATA ON YIELD

——— FAULT (DASHED WHERE INFERRED)

——— CONTACT (DASHED WHERE INFERRED)

PIEDMONT / COASTAL PLAIN — PHYSIOGRAPHIC PROVINCE BOUNDARY

SEDIMENTARY ROCKS

TERTIARY

Tkw	KIRKWOOD SAND
Tht	HORNERSTOWN MARL

CRETACEOUS

Kns	NAVESINK MARL
Kml	MOUNT LAUREL SAND
Kw	WENONAH SAND
Kmt	MARSHALLTOWN FORMATION
Ket	ENGLISHTOWN SAND
Kwb	WOODBURY CLAY
Kmv	MERCHANTVILLE CLAY
Km	MAGOTHY FORMATION
Kr	RARITAN FORMATION

TRIASSIC

Trb	BRUNSWICK FORMATION
Trbo	BEDS SIMILAR TO LOCKATONG FORMATION
Trl	LOCATONG FORMATION
Trs	STOCKTON FORMATION

CAMBRIAN

€h	HARDYSTON QUARTZITE

IGNEOUS ROCKS

TRIASSIC

Trdb	DIABASE
Trbs	BASALT

PRECAMBRIAN

gb	GABBRO
bgn	BYRAM GNEISS

METAMORPHIC ROCKS

UNKNOWN ORIGIN

Wgn	WISSAHICKON SCHIST

LEGEND FOR ATLAS SHEET 31

△ INDUSTRIAL WELL YIELD OVER 70 GALLONS PER MINUTE

□ PUBLIC SUPPLY WELL YIELDING OVER 70 GALLONS PER MINUTE

⊕ UNSUCCESSFULL ROCK WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

⊙ UNSUCCESSFULL SAND WELL YIELDING LESS THAN 70 GALLONS PER MINUTE

[T] NO TEST – NO DATA ON YIELD

——— FAULT (DASHED WHERE INFERRED)

——— CONTACT (DASHED WHERE INFERRED)

PIEDMONT / COASTAL PLAIN PHYSIOGRAPHIC PROVINCE BOUNDARY

WATER SUPPLY TRANSMISSION LINE

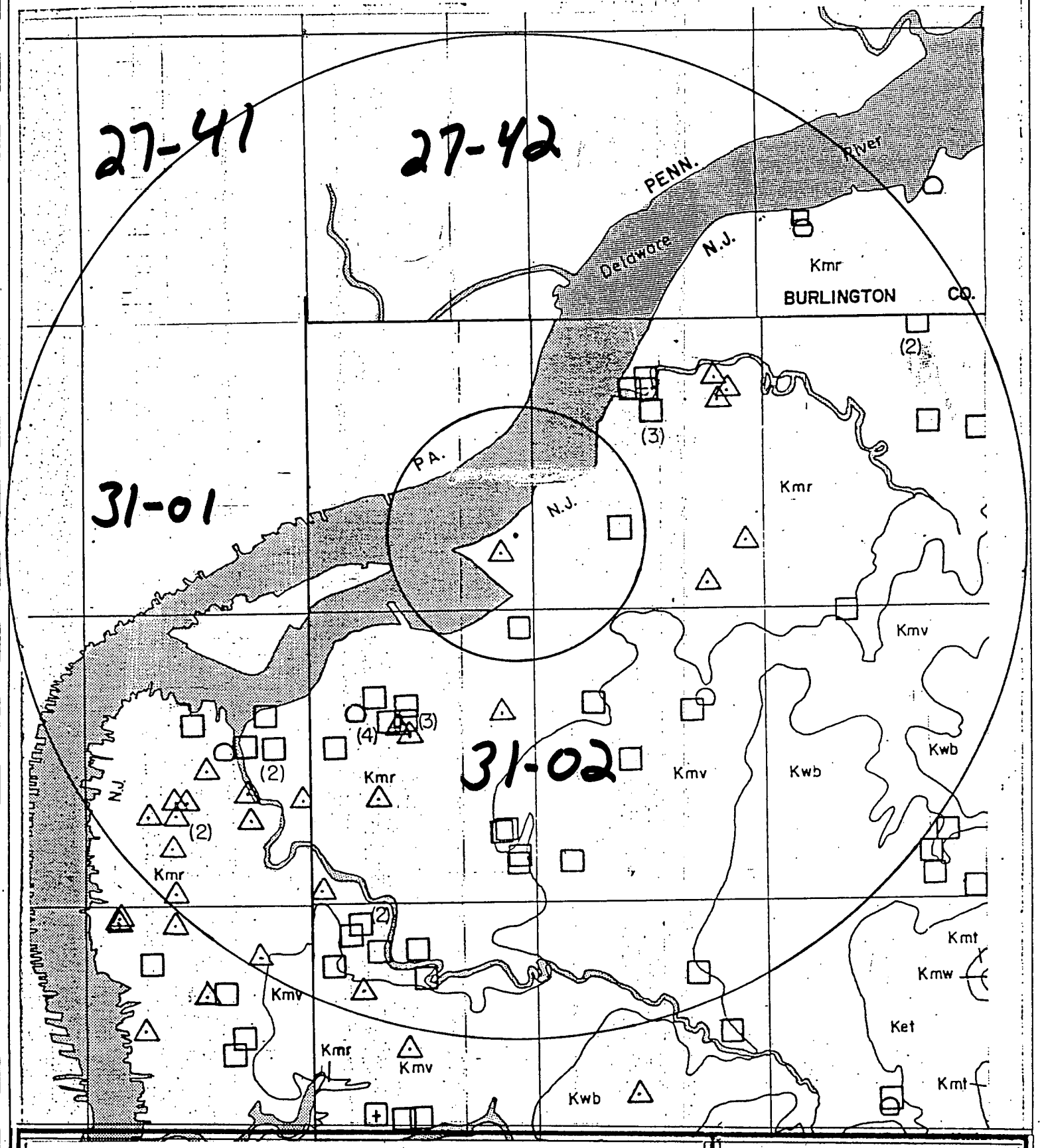
SEDIMENTARY ROCKS

TERTIARY

Tbh	BEACON HILL GRAVEL
Tch	COHANSEY SAND
Tkw	KIRKWOOD SAND
Tmq	MANASQUAN MARL
Tvt	VINCENTOWN SAND
Tht	HORNERSTOWN MARL

CRETACEOUS

Krb	RED BANK
Krbt	RED BANK (TRANSITIONAL UNIT)
Krbg	RED BANK (GLAUCONITE SAND UNIT)
Kns	NAVESINK MARL
Kml	MOUNT LAUREL SAND
Kw	WENONAH SAND
Kmt	MARSHALLTOWN FORMATION
Ket	ENGLISHTOWN SAND
Kwb	WOODBURY CLAY
Kmv	MERCHANTVILLE CLAY
Kmr	MAGOTHY AND RARITAN FORMATIONS
Km	MAGOTHY FORMATION
Kr	RARITAN FORMATION



Scale: 1 Mile to an Inch.

Miles 1 0 1 2 3

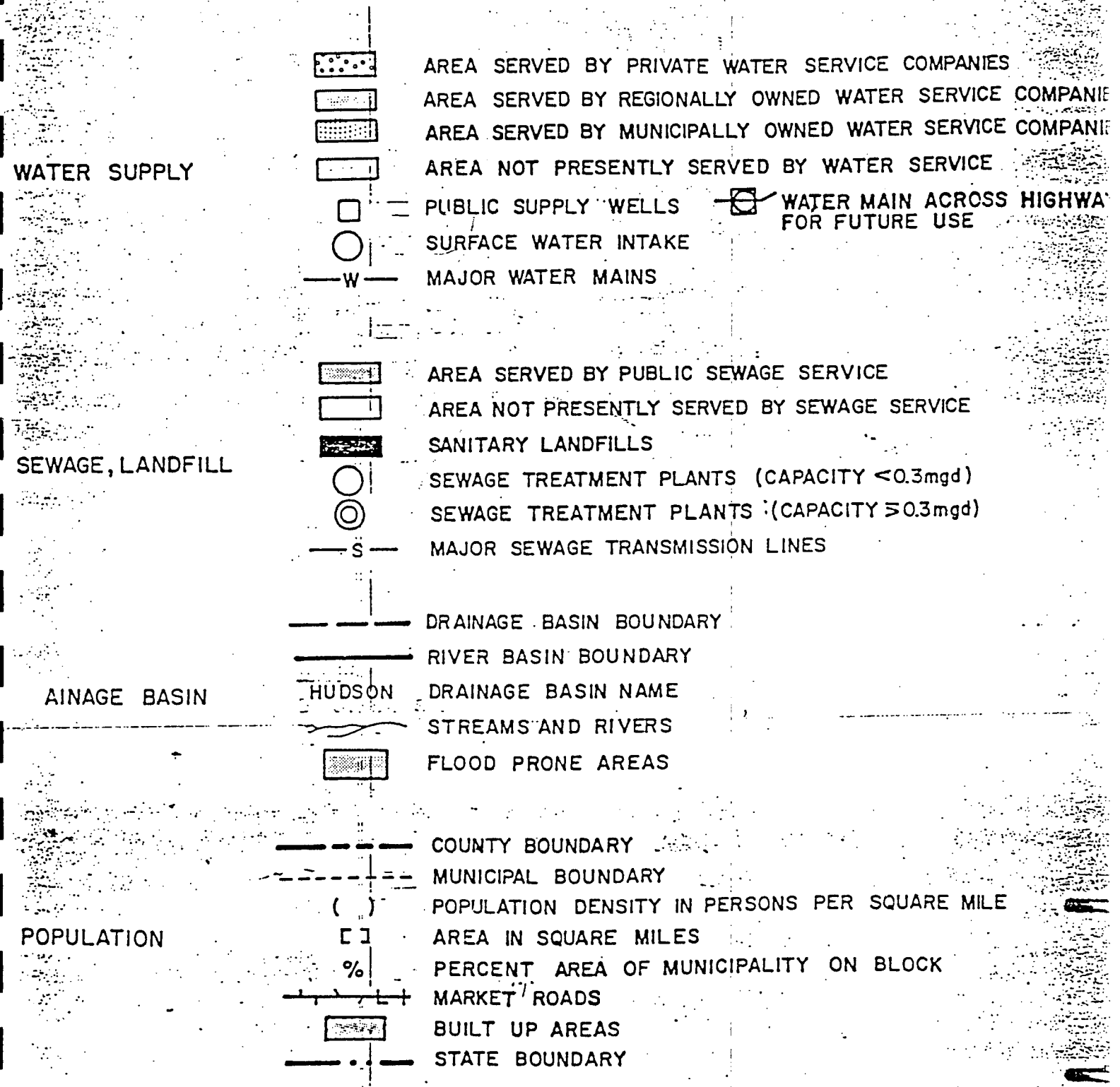
Yards 1000 500 0 1000 2000 3000

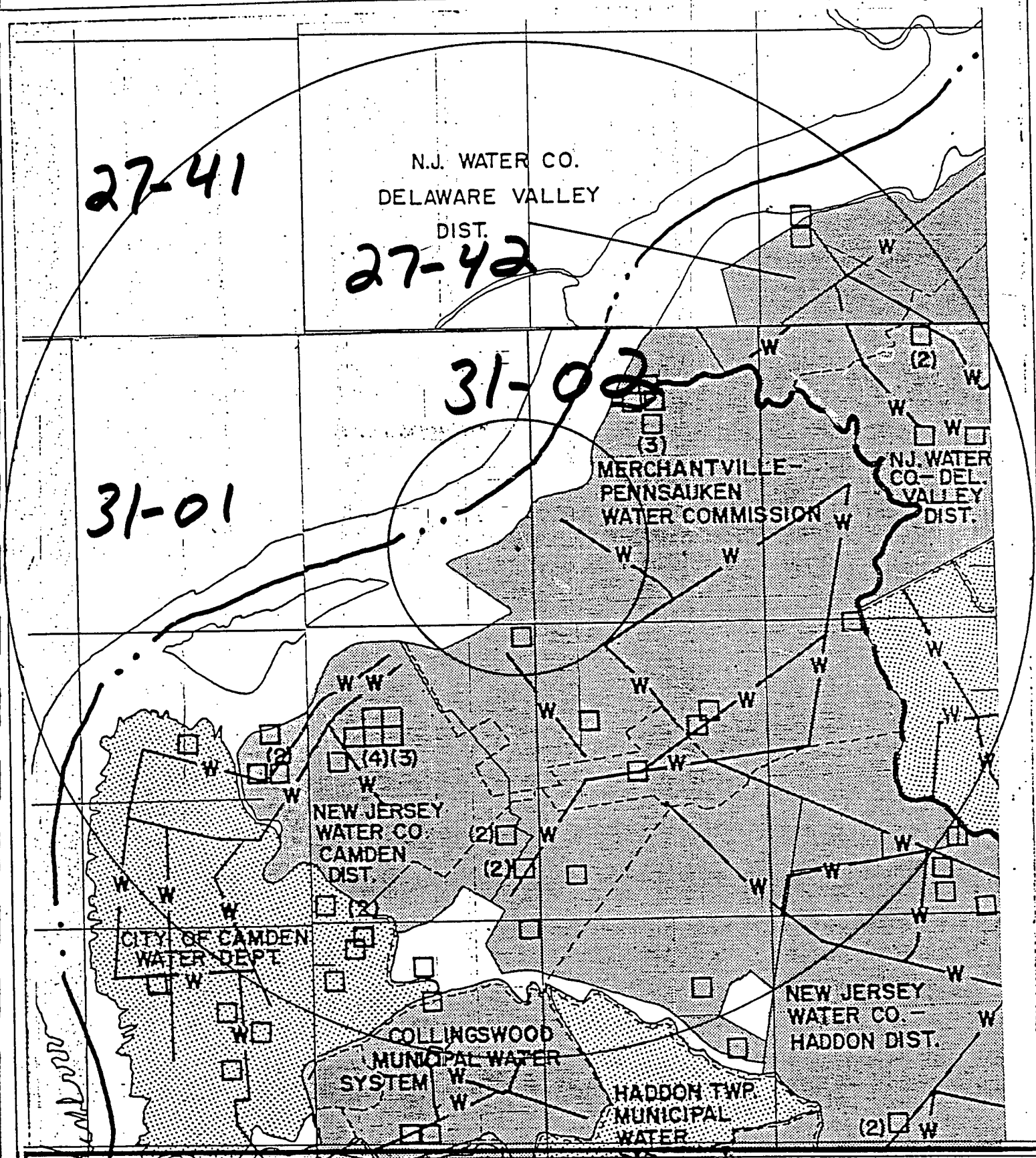
Meters 1000 2000 3000

Contour Interval: 20 feet

Georgia-Pacific Corporation
175 Derousse Avenue
Delair, Camden County
New Jersey Atlas Geologic
Overlay-sheets 27 & 31
Map 6

LEGEND


WATER SUPPLY
AREA SERVED BY PRIVATE WATER SERVICE COMPANIES
AREA SERVED BY REGIONALLY OWNED WATER SERVICE COMPANIE
AREA SERVED BY MUNICIPALLY OWNED WATER SERVICE COMPANI
AREA NOT PRESENTLY SERVED BY WATER SERVICE
PUBLIC SUPPLY WELLS
WATER MAIN ACROSS HIGHWA
FOR FUTURE USE
SURFACE WATER INTAKE
W
MAJOR WATER MAINS
SEWAGE, LANDFILL
AREA SERVED BY PUBLIC SEWAGE SERVICE
AREA NOT PRESENTLY SERVED BY SEWAGE SERVICE
SANITARY LANDFILLS
SEWAGE TREATMENT PLANTS (CAPACITY <0.3mgd)
SEWAGE TREATMENT PLANTS (CAPACITY ≥0.3mgd)
S
MAJOR SEWAGE TRANSMISSION LINES
AINAGE BASIN
DRAINAGE BASIN BOUNDARY
RIVER BASIN BOUNDARY
HUDSON
DRAINAGE BASIN NAME
STREAMS AND RIVERS
FLOOD PRONE AREAS
POPULATION
COUNTY BOUNDARY
MUNICIPAL BOUNDARY
( )
POPULATION DENSITY IN PERSONS PER SQUARE MILE
[ ]
AREA IN SQUARE MILES
%
PERCENT AREA OF MUNICIPALITY ON BLOCK
MARKET ROADS
BUILT UP AREAS
STATE BOUNDARY



Scale: 1 Mile to an Inch.

Miles 1 0 1 2 3

Yards 1000 500 0 1000 2000 3000

Meters 1000 0 1000 2000 3000

Contour Interval: 20 feet

Georgia-Pacific Corporation
175 Derousse Avenue
Delair, Camden County
New Jersey Atlas Water
Supply Overlay
Sheets 27 & 31
Map 7

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Formation
31-01-652	City of Camden, #5	1963	134-169	171	1000	Kmr
31-01-655	H. Kohnstamm & Co., Inc.	1954	116-136	136	150	"
31-01-656	U.S. Gasker, #1	1953	130-141	153	100	"
31-01-657	Savar Amusement Corp.	1950	82-113	113	500*	Kr
31-01-657	Stanley Corp. of America	1949	118-138	150	200*	"
31-01-662	City of Camden, #15	1954	116-136	155	1000	"
31-01-664	Camden Water Dept., #1-A	1953	155-170	175	1000	"
31-01-665	City of Camden, Test Well #1	1950	129-150	166	300	"
31-01-665	" #14	1953	105-145	164	1000	"
31-01-667	Sungil Co.	1947	147-157	157	100	"
31-01-669	Paris Produce Co.	1964	150-166	167	100	Kmr
31-01-673	Lintonia Pure Food Shop, Inc.	1950	102-123	128	315*	"
31-01-681	Savar Amusement Corp., #2	1950	110-130	130	500*	Kr
31-01-681	Camden Trust Co.	1949	93-123	127	430*	"
31-01-684	Stanley Corp. of America	1949	110-130	152	600*	"
31-01-687	Savar Amusement Corp.	1949	114-134	138	600	"
31-01-691	Baltimore Markets, #2	1950	138-170	170	1200*	"
31-01-912	Public Service Elec.& Gas Co.	1950	120-146	149	600	"
31-01-912	"	1954	113-145	145	350	"
31-01-916	City of Camden, #2-B	1953	111-136	204	1000	"
31-01-921	Stanley Corp. of America	1949	86-150	163	250*	"
31-01-928	Samuel Adelson	1952	92-102	102	200	"
31-01-929	Camden Water Dept.	1948	111-136	165	1012	"
31-01-934	Liberty Theatre #1	1949	112-130	130	150	"
31-01-943	MacAndrews & Forbes Co.	1951	82-103	114	350	"
31-01-956	Camden Water Dept.,#7	1966	123-163	167	1023	"
31-01-961	City of Camden, #11	1942	124-154	166	1005	"

*Indicates use as a recharge well.

J. Geodetic Control Survey monuments described in Index Map 48; Adjacent Index Maps 44,54

I. Water Well Records

Location	Owner	Year Drilled	Screen Setting or Depth of Casing	Total Depth	g/m Yield	Fc
31-02-195	Paragon Oil Co., #1	1961	51-61	61	100	Kr
31-02-225	City of Camden, #4-A	1960	95-130	134	1585	"
31-02-227	" #5-NA	1960	79-114	121	1520	"
31-02-228	" #3	1953	73-107	136	1000	"
31-02-228	" #8	1953	89-124	141	1000	"
31-02-228	" #10	1960	75-115	118	1529	"
31-02-235	Kingston Trap Rock	1955	55-65	68	125	"
31-02-238	" #2	1966	115-123	127	200	"
31-02-238	Atlantic Blue Diamond Corp.	1958	100-110	110	180	"
31-02-281	City of Camden	1975	140-180	190	1200	"
31-02-293	Meadow Brook Swim Club	1963	97-107	107	200	"
31-02-297	H&H Industries	1959	71-81	81	100	"
31-02-331	Riverton-Palmyra Water Co. #16	1965	144-176	192	1034	"
31-02-331	" #13	1963	166-197	206	610	"
31-02-361	Delaware Valley Water Co., #28	1969	225-260	264	1200	"
31-02-363	" #31	1970	215-261	267	1002	"
31-02-419	New Jersey Water Co., #50	1958	139-170	176	1000	"
31-02-427	" #25	1961	305-367	399	1050	"
31-02-433	Merchantville-Pennsauken Water Co.	1968	109-139	139	882	"
31-02-442	City of Camden, Test #6	1954	153-175	181	210	Kr
31-02-443	New Jersey Water Co., #44	1950	154-186	187	1400	Kr
31-02-443	" #45	1950	141-173	173	955	"
31-02-443	" #46	1950	148-178	179	1400	"
31-02-443	" #48	1954	122-164	171	1412	"
31-02-444	City of Camden, #16	1954	149-179	181	1000	"
31-02-449	Savar Amusement Corp.	1949	169-189	189	450	"
31-02-451	H. Kohnstomm & Co., Inc., #5-A	1967	163-184	194	200	"
31-02-451	"	1959	133-158	158	250	"
31-02-451	New Jersey Water Co., #52	1965	147-198	198	1404	"
31-02-451	" #38	1933	126-162	166	846	"
31-02-451	" #47	1953	159-175	177	1012	"
31-02-462	Parks Dairies	1958	154-170	172	200	"
31-02-477	Camden Co. Park Commission	1950	186-217	217	1200	"
31-02-492	Merchantville-Pennsauken Water Comm., #9	1956	107-137	141	875	"
31-02-492	" #10	1963	223-258	262	1000	"
31-02-496	" #2-A	1965	110-140	143	900	"
31-02-496	" #1-R	1971	132-152	159	875	"
31-02-519	" Test Well	1963	118-138	160	400	"
31-02-537	" Test Well #1	1956	247-268	293	317	"
31-02-554	" #2	1962	245-285	300	1040	"
31-02-561	" #6	1957	242-277	283	1020	"
31-02-575	Camden Co. Board of Ed.	1967	322-401	401	320	"
31-02-621	Merchantville-Pennsauken Water Comm., #7	1958	240-275	330	1000	"
31-02-692	" #8	1960	207-237	240	875	"
31-02-694	New Jersey Water Co., #22	1960	371-453	497	1067	"
31-02-697	" #24	1961	112-167	186	1051	"
31-02-699	"	1967	376-427	430	1030	"

31-02-712	City of Camden, Test #5	1953	205-225	277	280	Kmr
31-02-712	"	1953	185-225	243	1000	"
31-02-712	" #17	1954	230-265	274	1000	"
31-02-714	"	1953	90-115	123	1000	"
31-02-716	Our Lady of Lourdes Hospital	1963	237-257	261	275	"
31-02-718	A. N. Stoll Werck, Inc.	1950	111-131	136	210	"
31-02-725	Boro.of Collingswood, #3-R	1960	257-287	294	1000	Kr
31-02-728	" #2-B	1960	248-278	308	1000	Kmr
31-02-754	Friendship Dairy, #1	1955	143-164	164	100	"
31-02-773	Boro.of Collingswood Test #1	1964	307-333	370	-	"
31-02-774	A.M.Ellis Theatres,Inc.,#3	1961	83-103	115	250*	"
31-02-781	Boro.of Collingswood, "B"	1965	224-313	336	1034	"
31-02-782	" "A"	1965	219-312	331	1034	"
31-02-837	New Jersey National Guard	1956	96-111	111	150	"
31-02-857	Morgan Brothers, Inc.	1967	431-451	451	302	"
31-02-865	Joe's Trailer Camp	1955	112-122	122	70	"
31-02-879	Twp. of Haddon, #4	1965	417-448	455	1000	"
31-02-879	" #3	1956	432-469	490	800	"
31-02-887	" Bd.of Ed.,#1	1966	142-162	165	200	"
31-02-887	" New #1	1968	401-479	481	870	"
31-02-898	Boro.of Haddonfield,Test #1	1965	490-510	510	350	"
31-02-899	"	1967	307-372	380	1029	"
31-02-982	New Jersey Water Co.,#23	1960	321-378	405	1001	"
31-02-982	" #13	1958	491-527	527	1200	"
31-02-986	Hunt Tract Swimming Club	1957	232-243	243	90	"

*Indicates use as a recharge well.

J. Geodetic Control Survey monuments described in Index Map 48; Adjacent Index Maps 44,49,54,55

SUBJECT TO REVISION

WATER WITHDRAWAL POINTS AND NJGS CASE INDEX SITES WITHIN 5.0 MILES OF:

LATITUDE 395838
LONGITUDE 750352

DRAFT

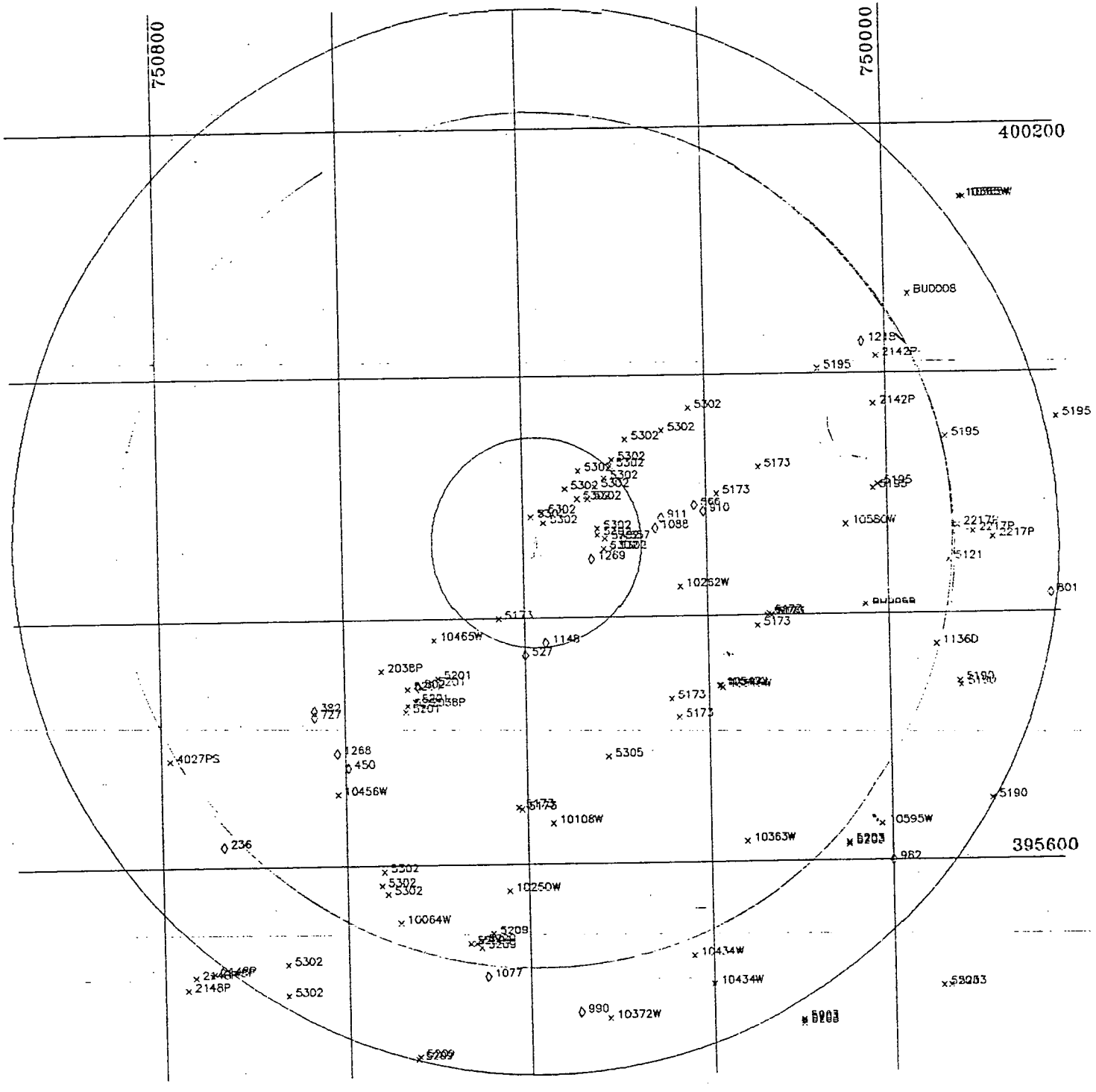
0 mile

SCALE: 1:63,360
(1 Inch = 1 Mile)

× WATER WITHDRAWAL POINTS
◊ NJGS CASE INDEX SITES
1 MILE AND 5 MILE RADII INDICATED

NJGS CASE INDEX DATA RETRIEVED FROM:
NEW JERSEY GEOLOGICAL SURVEY
ON 12/22/87

PLOT PRODUCED BY:
NJDEP
DIVISION OF WATER RESOURCES
BUREAU OF WATER ALLOCATION
CN-029
TRENTON, NJ 08625
DATE: 04/24/91



SUBJECT TO REVISION

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GED1	GED2	CAPACITY
													250
1006HW	OUR LADY OF LOURDES MED. CENT.	3104620	1	395532	750625	F	3.8	07	08	257	GWR		
1010BW	CAMDEN CO VOC. & TECH. SCHOOLS	3105139	1	395620	750044	F	2.6	07	15	401	GWR		
1025DW	BISHOP EUSTACE PREP SCHOOL	3117964	1	395547	750413	T	3.3	07	27	150	GWR		200
1026DW	SCHAEVITZ, LUCAS	3103338	1	395816	750218	T	1.4	07	27		GWR		
	SCHAEVITZ, LUCAS	3103437	2	395816	750218	T	1.4	07	27		GWR		
	SCHAEVITZ, LUCAS	3103444	3	395816	750218	T	1.4	07	27		GWR		
1036DW	CHERRY HILL INN	UNKNOWN	1	395610	750136	T	3.5	07	16	179	GWR		400
1036EW	HOEGANAES CORP./RIVERTON PLANT	2700238	LAYNE 1	400125	745908	T	5.2	05	08	136	GWR		300
	HOEGANAES CORP./RIVERTON PLANT	WELLPOINTS		400125	745910	U	5.2	05	08	13	GWR		66
1037DW	MORGAN BROTHERS, INC.	3105138	1	395444	750309	F	4.5	07	16	451	GWR		300
1043AW	GARDEN STATE RACE TRACK, INC.	5100094	1	395514	750213	T	4.2	07	09	154	GR		300
	GARDEN STATE RACE TRACK, INC.	5100095	2	395500	750200	M	4.5	07	09	150	GR		400
1045AN	CONCORD CHEMICAL CO., INC.	5100154	1	395635	750605	F	3.0	07	08	140	GWM		400
1048EW	ELK ASPHALT/WEST BANK OIL	DELAWARE ----	RIVER - -	395750	750800	F	1.4	07	27		EDDEL		
1054FW	SYCAMORE RIDGE APARTMENTS	3127629	3	395725	750151	T	2.3	07	27		GWR		45
1055DW	STAR GAS SERVICE	3129179	1	395846	750027		3.0	05	19		GWR		50
				395618	750007	T	4.2	05	19				
1059EW	GENTILE, ALBERT JR/PRODUCE JNT	3130128		395745	745930	T	4.0	05	22	24	GQDM	GWM	127
1134D	MOORESTOWN TOWNSHIP	DEWATERING	DEWATERING	395735	750625		1.9	07	08	194	GR		180
2008P	GENERAL COLOR CO.	3119275	7	395719	750607		1.9	07	08	184	GR		0
	GENERAL COLOR CO.	3103064	6	400008	750006	S	3.7	05	31	119	GWR		500
2143P	RIVERTON COUNTRY CLUB	3118428	1A	395845	750008	S	3.5	05	31	174	GWR		500
	RIVERTON COUNTRY CLUB	2704844	2	395507	750729	F	5.1	07	08	103	GWR		300
2148P	MAC ANDREWS & FORBES COMPANY	3104290	1	395500	750745		5.4	07		99	GWR		350
	MAC ANDREWS & FORBES COMPANY	5100035	2	395508	750728	F	5.1	07	06	140	GWR		350
	MAC ANDREWS & FORBES COMPANY	3123580	2R	395506	750740	U	5.2	07	08		EDDEL		
	MAC ANDREWS & FORBES COMPANY	DELAWARE RIVER		395839	745932	T	4.4	05	22	272	GWR		500
2217P	CAMPBELL SOUP COMPANY	3105715	1	395845	745915	T	4.0	05	22	264	GWR		
	CAMPBELL SOUP COMPANY	3103673	2 RECHARGE	395842	745905	T	4.2	05	22	268	GWR		
	CAMPBELL SOUP COMPANY	3103674	1 OBS.	395652	750754	T	4.1	07	08		EDDEL		
4027PS	GENERAL ELECTRIC/EDSD	DELAWARE RIVER		395828	745921	F	4.0	05	22	382	GWR		1000
5121	MOORESTOWN TOWNSHIP	3105202	7	395627	750404		2.5	07	24	152	GWR		675
5173	MERCHANTVILLE-PENNSAUKEN WATER	3105641	BRANNING1A	395800	750417		0.8	07	27	147	GWR		700
	MERCHANTVILLE-PENNSAUKEN WATER	3101417	DEL GARD 2	395720	750225		2.0	07	27	279	GWR		1000
	MERCHANTVILLE-PENNSAUKEN WATER	3102915	MARION 1	395711	750220		2.1	07	27	262	GWR		1000
	MERCHANTVILLE-PENNSAUKEN WATER	3104841	MARION 2	395628	750406		2.5	07	27	140	GWR		900
	MERCHANTVILLE-PENNSAUKEN WATER	3104836	BRANNINGSA	395902	750153		1.9	07	27	231	GWR		1000
	MERCHANTVILLE-PENNSAUKEN WATER	3105110	NATL HWY 1	395900	750117		2.4	07	27	274	GWR		1005
	MERCHANTVILLE-PENNSAUKEN WATER	3100010	PARK AVE 1	395800	750118		2.4	07	27	262	GWR		1000
	MERCHANTVILLE-PENNSAUKEN WATER	5100064	PARK AVE 2	395801	750119		2.3	07	27	277	GWR		1000
	MERCHANTVILLE-PENNSAUKEN WATER	3103534	PARK AVE 3	395800	750120		2.3	07	27	290	GWR		1005
	MERCHANTVILLE-PENNSAUKEN WATER	3100011	PARK AVE 5	395735	750127		2.3	07	27	270	GWR		1000
	MERCHANTVILLE-PENNSAUKEN WATER	3114564	PARK AVE 6	395915	750125		2.3	07	27	211	GWR		1000
	MERCHANTVILLE-PENNSAUKEN WATER	3119207	NATL HWY 2	395725	745914		4.3	05	19	126	GWR		140
5190	MAPLE SHADE TOWNSHIP	3100060	2	395727	745915		4.3	05	19	280	GWR		760
	MAPLE SHADE TOWNSHIP	3106020	8	395630	745855		5.0	05	19	220	GWR		1000
	MAPLE SHADE TOWNSHIP	3108922	9	395630	745853		5.0	05	19	533	GWR		1500
	MAPLE SHADE TOWNSHIP	3108923	10	395727	745915		4.3	05	19	450	GWR		1250
	MAPLE SHADE TOWNSHIP	3112905	11	395936	745910	F	5.1	05	08	209	GWR		1000
5195	NEW JERSEY-AMERICAN WATER CO.	3104697	14NEWALBAN	395938	745810	F	5.1	05	08	225	GWR		800
	NEW JERSEY-AMERICAN WATER CO.	3104753	26NEWALBAN	395939	745922	F	4.1	05	08	281	GWR		800
	NEW JERSEY-AMERICAN WATER CO.	3103833	10 POMONA	395939	745922	F	4.1	05	08	196	GWR		700
	NEW JERSEY-AMERICAN WATER CO.	3104076	12 POMONA	395904	750007	F	3.3	05	08	242	GWR		1000
	NEW JERSEY-AMERICAN WATER CO.	3105521	28 STEPHEN	395906	750006	F	3.3	05	08	270	GWR		1000
	NEW JERSEY-AMERICAN WATER CO.	3106457	31 STEPHEN	400002	750044	F	3.2	05	08	197	GWR		700
	NEW JERSEY-AMERICAN WATER CO.	3104576	13HIGHLAND										

NUMBER	NAME	SOURCEID	LOCID	LAT	LON	LLACC	DISTANCE	COUNTY	MUN	DEPTH	GEO1	GEO2	CAPACITY
	NEW JERSEY-AMERICAN WATER CO.	3104864	27HIGHLAND	400002	750044	F	3.2	05	08	176	GWR		1000
5201	NEW JERSEY-AMERICAN WATER CO.	3103456	50	395726	750512	F	1.9	07	08	170	GWR		700
	NEW JERSEY-AMERICAN WATER CO.	3104780	51	395720	750513	F	1.9	07	08	192	GWR		1300
	NEW JERSEY-AMERICAN WATER CO.	3104947	52	395715	750519	F	2.0	07	08	193	GWR		1050
	NEW JERSEY-AMERICAN WATER CO.	3118947	53	395728	750502	F	1.7	07	08	194	GWR		1000
	NEW JERSEY-AMERICAN WATER CO.	3118944	54	395731	750458	F	1.6	07	08	196	GWR		1000
	NEW JERSEY-AMERICAN WATER CO.	3118270	55	395718	750516	F	2.0	07	08	176	GWR		1050
5203	NEW JERSEY-AMERICAN WATER CO.	3104051	COLUMBIA22	395609	750029		4.1	07	09	453	GWR		1050
	NEW JERSEY-AMERICAN WATER CO.	3104274	COLUMBIA24	395608	750028		4.1	07	09	167	GWR		900
	NEW JERSEY-AMERICAN WATER CO.	3106033	COLUMBIA31	395609	750023		4.1	07	09	427	GWR		1050
	NEW JERSEY-AMERICAN WATER CO.	5100067	KINGSTON25	395456	745929		5.7	07	09	367	GWR		1050
	NEW JERSEY-AMERICAN WATER CO.	3104669	KINGSTON27	395458	745924		5.7	07	09	417	GWR		870
	NEW JERSEY-AMERICAN WATER CO.	3104742	KINGSTON28	395458	745929		5.7	07	09	207	GWR		840
	NEW JERSEY-AMERICAN WATER CO.	3100684	ELLIS 13	395442	750100		5.2	07	09	327	GWR		1000
	NEW JERSEY-AMERICAN WATER CO.	3103306	ELLIS 16	395441	750100		5.2	07	09	220	GWR		1150
	NEW JERSEY-AMERICAN WATER CO.	3104098	ELLIS 23	395440	750100		5.2	07	09	376	GWR		1200
5209	COLLINGSWOOD BOROUGH	3104053	2R	395519	750432		3.9	07	12	281	GWR		700
	COLLINGSWOOD BOROUGH	3104054	3R	395522	750432		3.8	07	12	290	GWR		900
	COLLINGSWOOD BOROUGH	5100030	4	395521	750435		3.8	07	12	304	GWR		870
	COLLINGSWOOD BOROUGH	3100079	5	395521	750439		3.8	07	12	311	GWR		650
	COLLINGSWOOD BOROUGH	5100031	6	395526	750424		3.7	07	12	281	GWR		1000
	COLLINGSWOOD BOROUGH	3104799	7	395521	750439		3.8	07	12	312	GWR		1000
	COLLINGSWOOD BOROUGH	3104797	9	395426	750514		5.0	07	12	318	GWR		1000
	COLLINGSWOOD BOROUGH	NEWTON CREEK		395425	750515		5.0	07	12		SPLOO		1000
5302	CAMDEN CITY, WATER DIVISION	5100050	MORRIS 1	395944	750211		1.9	07	27	107	GWR		1600
	CAMDEN CITY, WATER DIVISION	3100945	MORRIS 3	395933	750229		1.8	07	27	107	GWR		1900
	CAMDEN CITY, WATER DIVISION	3104282	MORRIS 4	395929	750255		1.3	07	27	134	GWR		1600
	CAMDEN CITY, WATER DIVISION	5100051	MORRIS 6	395930	750318		0.7	07	27	138	GWR		1700
	CAMDEN CITY, WATER DIVISION	5100052	MORRIS 7	395916	750302		1.0	07	27	125	GWR		1650
	CAMDEN CITY, WATER DIVISION	3100944	MORRIS 8	395910	750307		0.9	07	27	128	GWR		1670
	CAMDEN CITY, WATER DIVISION	3104251	MORRIS 10	395919	750302		1.1	07	27	118	GWR		1400
	CAMDEN CITY, WATER DIVISION	5100076	MORRIS 9	395906	750313		0.8	07	27	148	GWR		1670
	CAMDEN CITY, WATER DIVISION	3116814	MORRIS 12	395914	750324		0.8	07	27	122	GWR		2030
	CAMDEN CITY, WATER DIVISION	3115745	MORRIS 11	395900	750325		0.6	07	27	149	GWR		2030
	CAMDEN CITY, WATER DIVISION	3116813	MORRIS 13	395905	750332		0.6	07	27	135	GWR		2060
	CAMDEN CITY, WATER DIVISION	5100053	DELAIR 1	395848	750347		0.2	07	27	141	GWR		1660
	CAMDEN CITY, WATER DIVISION	5100054	DELAIR 2	395851	750338		0.3	07	27	146	GWR		1630
	CAMDEN CITY, WATER DIVISION	5100055	DELAIR 3	395853	750348		0.3	07	27	135	GWR		1630
	CAMDEN CITY, WATER DIVISION	5100056	PUCHACK 1	395845	750312		0.6	07	27	141	GWR		1500
	CAMDEN CITY, WATER DIVISION	5100057	PUCHACK 2	395842	750312		0.6	07	27	169	GWR		1000
	CAMDEN CITY, WATER DIVISION	5100058	PUCHACK 3	395840	750307		0.7	07	27	176	GWR		1280
	CAMDEN CITY, WATER DIVISION	5100059	PUCHACK 5	395835	750308		0.6	07	27	186	GWR		1324
	CAMDEN CITY, WATER DIVISION	3106526A	PUCHACK 7	395835	750302		0.7	07	27	180	GWR		2260
	CAMDEN CITY, WATER DIVISION	5100060	CITY 7	395457	750640		4.9	07	08	163	GWR		1500
	CAMDEN CITY, WATER DIVISION	5100061	CITY 11	395512	750640		4.6	07	08	159	GWR		1010
	CAMDEN CITY, WATER DIVISION	3100904	CITY 13	395557	750625		3.4	07	08	270	GWR		1200
	CAMDEN CITY, WATER DIVISION	3101250	CITY 17	395546	750633		3.6	07	08	270	GWR		1500
	CAMDEN CITY, WATER DIVISION	3105574	CITY 18	395550	750637		3.6	07	08	290	GWR		1200
	CAMDEN CITY, WATER DIVISION	3104649	CITY 5	395457	750640		4.9	07	08	171	GWR		1100
5305	MERCHANTVILLE-PENNSAUKEN	3104642	WOODBINE 1	395652	750307		2.1	07	24	286	GWR		1000
	MERCHANTVILLE-PENNSAUKEN	3114563	WOODBINE 2	395652	750307		2.1	07	24	227	GWR		1000
800008	HUNTER, JOHN	POND 1	POND 1	400038	745945	F	4.3	05	08	12	SDIEL		900
800058	FARM SOLD	STREAM 1	STREAM 1	395805	750015	F	3.2	05	24		SIRAN		
	FARM SOLD	POND 1	POND 1	395805	750015	F	3.2	05	24	15	UNET		

ATTACHMENT A

PART IV: SITE SUMMARY AND RECOMMENDATIONS

Georgia-Pacific Corporation is an active 19-acre site located in Delair, Camden County, New Jersey. The property is bounded by Derousse Ave. to the northeast, Penn Central railroad to the southeast, industrial property to the southwest, and the Delaware River to the northwest. The property is located in an industrial area, approximately 0.20 mile from residential areas. The property is owned by Georgia-Pacific Corporation. This facility is a paper recycling operation. Raw waste paper is brought to the site where it is shredded. Waste plastic and metal are removed from the shredded paper; the paper then enters a wet process which mulches it into a slurry with water. It is then rolled and dried to produce a heavy grade paper backing for gypsum wallboard. The wastes from this process, sludge and wastewater, are pumped to a lined aeration lagoon. Process wastewater and storm water go through screening and primary clarification; 95 percent of this effluent is recycled back to the plant. The remaining 5 percent of the effluent goes to the lined lagoon for aeration/stabilization and secondary clarification; the water from this process is discharged into the Delaware River. Sludge from both clarifiers is recycled back into the wet paper process.

Until 5 or 6 years ago, sludge from the aeration lagoon was landfilled at the Pennsauken Township landfill. There is also an abandoned lagoon on site, believed to be south-southeast of the lined lagoon. The size of this lagoon, construction, years of use, and the type and quantity of waste it may have contained are unknown. The only hazardous waste currently stored on site by Georgia-Pacific is waste oil from lubricating/cooling processes. Waste oil is collected in 55-gallon drums and stored for a period of 1 day to 2 months; then it is fed directly back into the facility's boilers.

A report was filed with the New Jersey Department of Environmental Protection (NJDEP) in November 1977 regarding hazardous waste dumping at Georgia-Pacific. An inspector found a waste pile approximately 150 ft by 100 ft by 5 ft. Twice a year this waste was taken to the Cinnaminson landfill. Georgia-Pacific was informed by the NJDEP that it is illegal to store waste for more than 90 days and that the situation should be remedied. A followup inspection in December 1977 found the waste pile gone and a dumpster on site to hold the waste.

There have been two reported spills at Georgia-Pacific. The first spill, in April 1986, involved 20 gallons of Hercon 32 (a sizing compound, resin, and water-soluble waterproofing agent) that spilled on the ground. The proper authorities were notified. Cleanup involved soaking up the spill with

ATTACHMENT B

(fill—in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-R0173

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F N J D 0 0 2 5 1 4 7 5 0 | 3

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill—in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill—in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold—faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
C. Is this a facility which currently results in **discharges to waters of the U.S.** other than those described in A or B above? (FORM 2C)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)	X		X
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge to waters of the U.S.**? (FORM 2B)		X	
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge to waters of the U.S.**? (FORM 2D)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP GEORGIA PACIFIC CORPORATION GYPSUM DIV.

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 SAVAGE, JOE, MANAGER	609 663 6015

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX	
3 DEROUSSE AVENUE	
B. CITY OR TOWN	**C. STATE** / **D. ZIP CODE**
4 DELAIR	NJ / 08110

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER	
5 DEROUSSE AVENUE	
B. COUNTY NAME	
CAMDEN	
C. CITY OR TOWN	**D. STATE** / **E. ZIP CODE** / **F. COUNTY CODE** *(if known)*
6 DELAIR	NJ / 08110 /

CONTINUE ON REVERSE

ATTACHMENT 1

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
2631 Paper board mill	(specify)
C. THIRD	**D. FOURTH**
(specify)	(specify)

VIII. OPERATOR INFORMATION

A. NAME: GEORGIA PACIFIC CORPORATION

B. Is the name listed in Item VIII-A also the owner? ☒ YES ☐ NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL; S = STATE; P = PRIVATE; M = PUBLIC (other than federal or state); O = OTHER (specify)

P (specify)

D. PHONE (area code & no.): A 503 222 5561

E. STREET OR P.O. BOX: 900 S.W. FIFTH AVENUE

F. CITY OR TOWN: PORTLAND

G. STATE: OR

H. ZIP CODE: 97204

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N NJ0004669

D. PSD (Air Emissions from Proposed Sources): 9 P

B. UIC (Underground Injection of Fluids): 9 U

E. OTHER (specify): 9 (specify)

C. RCRA (Hazardous Wastes): 9 R

E. OTHER (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. F9: A/50

XII. NATURE OF BUSINESS (provide a brief description)

Paper mill producing paper for gypsum wallboard.

F9: A/51

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
G. E. Wilson Vice-President	Glenn E. Wilson	11/17/80

COMMENTS FOR OFFICIAL USE ONLY

C

ATTACHMENT B-2

(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

FORM 3 RCRA

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

S													T/A
F	N	J	D	0	0	2	5	1	4	7	5	0	3

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

[ ] 2. NEW FACILITY *(Complete item below.)*

C	YR.	MO.	DAY
8	25	01	01

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR.	MO.	DAY

FOR NEW FACILITIES PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES – CODES AND DESIGN CAPACITIES

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. PROCESS DESIGN CAPACITY – For each code entered in column A enter the capacity of the process.

1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

S		T/A	C
C	DUP		1

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S 0 2	600	G	
X-2	T 0 3	20	E	
1	S 0 1	1000000	G	
2				
3				
4				
5				
6				
7				
8				
9				
10				

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CONTINUE ON REVERSE

ATTACHMENT B-2

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each **listed waste** entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each **characteristic** or **toxic contaminant** entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each **listed** hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate **all** the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

CONTINUE ON PAGE 3

ATTACHMENT B-4

EPA I.D. NUMBER (enter from page 1)

W	N	J	D	0	0	2	5	1	4	7	5	0	T/A 3	C 1

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W	DUP.	T/A 3	C 2	DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	8000	T	S01	
2	F001	25000	P	S01	
3	F002	25000	P	S01	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

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CONTINUE ON REVERSE

(enter "A", "B", "C", etc. behind the "3" to identify photocopied pages)

ATTACHMENT B-5

V. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

F6: A/55 F6: A/56

EPA I.D. NO. *(enter from page 1)*

													T/A	C
F	N	J	D	0	0	2	5	1	4	7	5	0	3	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail)*.

VI. PHOTOGRAPHS

All existing facilities must include photographs *(aerial or ground–level)* that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail)*.

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
38 58 42.0	075 04 40

VIII. FACILITY OWNER

[X] A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
E	

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F	G		

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
G. E. Wilson, Vice-President	Glenn E. Wilson	11 / 17 / 80

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
G. E. Wilson, Vice-President	Glenn E. Wilson	11 / 17 / 80

CONTINUE ON PAGE 5

ATTACHMENT 5-6

ATTACHMENT C

Georgia-Pacific Corporation
P.O. Box 338
Delair, New Jersey 08110
Telephone (609) 663-6015

October 14, 1982

Mr. John MacDonald, Legal Advisor
General Enforcement Branch
Enforcement Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

Re: Hazardous Waste Interim Status Withdrawal Request
Georgia-Pacific Corporation
Delair, New Jersey Papermill
EPA I.D. No: NJD 002514750

Dear Mr. MacDonald:

Since the inspection performed at the Delair papermill on December 3, 1981, and your subsequent letter of August 31, 1982, we have further evaluated our operation and have concluded that the "interim status" and Federal Part A application should be withdrawn. This conclusion is based on the following:

1. The initial Hazardous Waste Activity Notification and Federal Part A application were made in a protective manner since the regulations were new, complicated and consisted of serious implications.

2. Subsequent to these notifications, we have found that the wastes we listed are able to be reused and are not generated in quantities which cannot be shipped off-site within 90 days.

3. For the reasons noted in item 2, we have not used the facilities identified in the Federal Part A application for long-term storage of hazardous waste.

Therefore, we are requesting that the "interim status" for our Delair, New Jersey, facility be withdrawn. We do, however, wish to retain our generator status. Your written confirmation of these requests will be appreciated. If you have any questions,

ATTACHMENT C-1

please contact me at 609/663-6015 or Gerald Ritter at 404/521-4652 in Atlanta.

Very truly yours,

John Kopp

John Kopp

cc: Mr. Gerald E. Ritter, GP-Atlanta
Mr. Tom Taccone, EPA Permits Admin. Branch

ATTACHMENT C-2

ATTACHMENT D

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON
DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

03 MAR 1983

Georgia Pacific Corp.
Gypsum Division
Derousse Avenue
Delair, NJ 08110
Attn: Joe Savage, Manager

RE: Facility Operating Status

Dear Sir:

The Bureau of Hazardous Waste Engineering has reviewed your company's response to the Notice of Violation, Failure to Submit Annual Report. The Bureau finds that the response contains adequate information to determine the operating status of this facility with respect to N.J.A.C. 7:26-1 et seq., the New Jersey Hazardous Waste Management Regulations. The Bureau has determined that the company's hazardous waste treatment, storage or disposal facility as delineated in the company's RCRA Part A application and identified by the following EPA ID Number:

EPA ID NO. NJD002514750

has been excluded from regulations under N.J.A.C. 7:26-1.1 et seq. because your facility accumulates hazardous waste on-site for less than 90 days. This exclusion classifies your facility solely as a generator provided the following conditions are complied with:

1. All such waste is, within 90 days or less, shipped off-site to an authorized facility or placed in an on-site authorized facility, as defined at N.J.A.C. 7:26-1.4.

2. The waste is placed in containers which meet the standards of N.J.A.C. 7:26-7.2 and are managed in accordance with N.J.A.C. 7:26-9.4(d).

3. The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

4. The generator complies with the requirements for owners and operators of N.J.A.C. 7:26-9.6 and 9.7 concerning preparedness and prevention, contingency plans and emergency procedures as well as N.J.A.C. 7:26-9.4(g) concerning personnel training.

ATTACHMENT D-1

5. For bulk accumulation of dry hazardous waste materials, the waste pile is managed according to the following:

(i) The waste pile is no larger than 200 cubic yards; and

(ii) The pile shall be placed on an impermeable base that is compatible with the waste; and

(iii) Run-on shall be diverted away from the pile; and

(iv) Any leachate and run-off from the pile must be collected and managed as a hazardous waste.

This written acknowledgement of the exclusion of the above identified facility from N.J.A.C. 7:26-1 et seq. is based expressly on the review of the aforementioned correspondence. This letter makes no claim as to the extent and physical condition of the actual hazardous waste activities occuring at the site mentioned above.

Your company's hazardous waste facility above is no longer included in DEP's list of "existing facilities" (see N.J.A.C. 7:26-1.4 and 12.3) and therefore does not need to conform with the interim operating requirments of N.J.A.C. 7:26-1 et seq. for "existing facilities" which would include the TSD facility annual report. It is the company's responsibility to operate within the conditions listed above. To operate a hazardous waste facility without prior approval from the DEP is a violation of the Solid Waste Management Act N.J.S.A. 13:1E-1 et seq.

As a result of the conclusions previously made, the Notice of Violation entitled "Failure to Submit Annual Report" signed by Mr. David Shotwell is rescinded and need not be complied with.

If you have any questions on this matter, please call my office at (609) 292-9880.

Very truly yours,

Frank Coolick

Frank Coolick, Chief
Bureau of Hazardous Waste Engineering

FC:jb

cc Dave Shotwell
NJDEP, Division of Waste Management

Tom Taccone
USEPA, Region II

ATTACHMENT D-2

ATTACHMENT E

04-27-17

NJDEP INSPECTION FORM

Report Prepared for:

Generator [X] only!

Transporter [ ]

HWM (TSD) facility [X] → deleted (see 3/3/83 letter from T. Collins)

Facility Information

Name: Georgia Pacific Corp Gypsum Div.

Address: Delair NJ

(Derousse ave)

Lot: _____ Block: _____

County: Camden

Phone: (609) 663-6015

EPA ID#: NJD002514750

Date of Inspection: 4/15/83

Participating Personnel

State or EPA personnel: CHARLES N ELMENDORF

ENVIRONMENTAL SPECIALIST

Facility personnel: John Kopp

Water Quality Supervisor

Report Prepared by Name: CHARLES ELMENDORF

Region: SOUTH

Telephone #: 609 859-2958

Reviewed by: _____

Date of Review: _____

ATTACHMENT E-1

FACILITY NAME: Georgia Pacific Corp

ADDRESS: Derousse Ave
Delair

COUNTY: Camden

EPA ID #: NJD002514750

DATE OF INSPECTION: 4/15/83

PHOTOS TAKEN [ ] YES [X] NO

If yes, how many? _____

SAMPLES TAKEN [ ] YES [X] NO NUMBER OF SAMPLES _____

NJDEP ID # _____

MANIFESTS REVIEWED [ ] YES [X] NO

Number of manifests in compliance N/A

Number of manifests not in compliance N/A

List manifest document numbers of those manifests not in compliance.

ATTACHMENT E-2

Summary of Findings

Facility Description and Operations

Facility is basically a paper recycling plant. Raw waste papers (Kraft bags, cardboard etc) is brought in from various sources. The paper is then shredded, plastic and metal is separated out. The papers then enters a wet process which mulches the papers to a slurry with water. Finally, the recycled papers is rolled and dried. The final product is a roll of heavy paper used as a backing for gypsum board.

The facility has on-site treatment plant for its waste water (primary & secondary treatment) Sludge from the lagoon was once landfilled at Pelisahaukin Twp landfill about 4 or 5 yrs ago according to J Kopp. The ~~sludge~~ sludge is now being recycled into the papers G-P produces.

The only waste generated by G-P is waste oil from lubricating/cooling applications in the papers mill, all waste oil is collected in drums, pumped into a 400,000 gal fuel oil tank for boilers at the facility. The waste oil is therefore blended w. the good oil before it is burned. Each boiler is rated at 77 million BTU/HR. continued →

Describe the ~~activities that result in the generation of hazardous~~ waste.

(continued)

Mr Kopp was advised that such on-site reclamation of waste oil is exempt from regulation, but that C-P should maintain their generator status in the event their EPA ID # is needed.

Identify the hazardous waste located on site, and estimate the approximate quantities of each. (Identify Waste Codes)

waste oil approx 100 gals in drums on site (4 drums) + unk. quantity blended with good fuel oil for boilers. Facility generates approx ~~1,000~~ 1,000 to 2,000 gals waste oil/yr. This is mixed in with good fuel oil which is burned in on-site boilers, each having a BTU rating of 77×10^6 BTU

ATTACHMENT E-4

Form DWM-029
3/84

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT

INSPECTION REPORT

04.27.17

REPORT PREPARED FOR:

- [x] Generator
- [ ] Transporter
- [ ] HWM (TSD) Facility

FACILITY INFORMATION

Name: GEORGIA-PACIFIC CORP / GYPSUM DIV.

Address: DEROUSSE AVE.
DELAIR, NEW-JERSEY

Lot: 4 Block: 3A

County: CAMDEN

Phone: (609) 663-6015

EPA ID#: NJD002514750

Date of Inspection: SEPT. 25, 1987

PARTICIPATING PERSONNEL

State or EPA Personnel: JACK ALLEN - NJDEP

Facility Personnel: JOHN KOPP - GEORGIA-PACIFIC
WATER QUALITY SUPERVISOR

Report Prepared by Name: J. ALLEN

Region: SOUTH - I

Telephone#: (609) 346-8000

Reviewed by: Terry W. Ostrander

Date of Review: 10/14/87

ATTACHMENT 6-5

FACILITY NAME: Georgia-Pacific Corp.

ADDRESS: Debousse Ave.

Delair, N.J.

TIME IN: 1300 Hours

COUNTY: Camden

TIME OUT: 1600 Hours

EPA ID : NJD002514750

DATE OF INSPECTION: Sept. 25, 1987

PHOTOS TAKEN ☐ YES ☒ NO

If yes, how many? _____

SAMPLE TAKEN ☐ YES ☒ NO NO. OF SAMPLES _____

NJDEP ID # _____

MANIFESTS REVIEWED ☒ YES ☐ NO

Number of manifests in compliance All

Number of manifests not in compliance None

List manifest document numbers of those manifests not in compliance.

ATTACHMENT E-6

SUMMARY OF FINDINGS

FACILITY DESCRIPTION AND OPERATIONS

THIS GEORGIA-PACIFIC FACILITY IS A PAPER RECYCLING OPERATION. RAW WASTE PAPER (KRAFT, BAGS, NEWSPAPER, ECT.) IS BROUGHT TO THE SITE FROM VARIOUS OUTSIDE SOURCES. THIS PAPER IS THAN SHREDDED, ALL PLASTIC AND METAL IS SEPERATED OUT. THE PAPER THAN ENTERS A WET PROCESS WHICH MUSHES THE PAPER INTO A SLURRY WITH WATER. THIS RECYCLED PAPER IS THAN ROLLED AND DRIED, THE FINAL PRODUCT BEING A HEAVY GRADE OF PAPER USED AS A BACKING FOR GYPSUM BOARD.

THE FACILITY HAS ON-SITE TREATMENT FOR IT'S WASTEWATER. THIS CONSISTS OF PRIMARY AND SECONDARY TREATMENT PROCESSES. SLUDGE FROM THE LAGOON WAS ONCE LANDFILLED AT PENNSAUKEN TWP LANDFILL UP UNTIL 4-5 YEARS AGO ACCORDING TO J. KOPP. THIS SLUDGE IS NOW BEING RECYCLED INTO THE PAPER PROCESS.

THE ONLY WASTE NOW GENERATED BY GEORGIA-PACIFIC IS WASTE OIL FROM LUBRICATING/COOLING APPLICATIONS IN THE PAPERMILL. ALL WASTE OIL IS COLLECTED IN 55 GALLON DRUMS. THESE DRUMS ARE STORED FOR A SHORT PERIOD OF TIME AND THEN THE CONTENTS IS FED DIRECTLY INTO THE FACILITIES BOILERS. THIS STORAGE PERIOD MAY BE ANYWHERE FROM ONE (1) DAY TO TWO (2) MONTHS, DRUMS ARE DATED TO ASSURE STORAGE DOES NOT EXCEDE THE ALLOWABLE 90 DAY STORAGE. PREVIOUSLY THIS WASTE OIL HAD BEEN BLENDED INTO AN ON-SITE 400,000 GALLON FUEL OIL TANK PRIOR TO BEING BURNED IN THE BOILER.

GEORGIA PACIFIC HAS RECEIVED FROM BWUENG AN ON-SITE RECYCLING EXEMPTION FOR BURNING THIS WASTE-OIL IN THE FACILITY BOILER (LETTER DATED 3-3-83).

ATTACHMENT E-7

Describe the activities that result in the generation of hazardous waste.

ROUTINE MAINTENANCE OF IN HOUSE MECHANICAL EQUIPMENT.

Identify the hazardous waste located on site, and estimate the approximate quantities of each. (Identify Waste Codes)

ONE (1) 55 GALLON DRUM OF WASTE OIL.

ATTACHMENT F

Let's protect our earth

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029

Jorge H. Berkowitz, Ph.D.
Acting Director

(609) 292-1637
Fax # (609) 984-7938

Mr. Stephen Sherman
Georgia Pacific Corporation
Derouse Avenue
Delair, New Jersey 08110

SEP 0 8 1989

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Re: Treatment Works Approval No. 89-2175-4N
Georgia Pacific Corp., Delair Plant, Camden County
NJPDES/DSW Permit No. NJ0004669

Dear Mr. Sherman:

Enclosed is a Treatment Works Approval (TWA) Construction and Operation permit issued pursuant to Title 58 of the Revised Statutes of the State of New Jersey and in consideration of your TWA application received on May 3, 1989, certified by Norman S. Pratt of Taylor, Wiseman and Taylor.

This permit is for Construction and Operation of a proposed aerated stabilization tank, an influent flow control tank and a pumping station, to be added to the facility's existing wastewater treatment system.

This approval does not relieve Georgia Pacific Corporation from compliance with any new, more stringent effluent limitations and/or conditions imposed in the renewal permit, or as a result of new/revised regulations being promulgated that may necessitate another addition or modification of the treatment system. In addition, a new TWA application would have to be submitted, and approval obtained from the Department, prior to beginning construction of any such modification.

If you have any questions regarding this permit, please contact Ben Manhas of my staff at (609) 292-4860.

Sincerely,

William F. Boehle, P.E., Acting Chief
Surface Water Section
Bureau of Industrial Discharge Permits

WFM195:rm

Enclosure

c: TWA Permit Distribution List

ATTACHMENT E-1

Notice of Authorization

PERMIT NO.	ISSUANCE DATE	EFFECTIVE DATE	EXPIRATION DATE
89-2175-4N	September 8, 1989	September 8, 1989	September 7, 1991

ISSUED TO

GEORGIA PACIFIC CORPORATION
DEROUSE AVENUE
DELAIR, NJ 08110

FOR ACTIVITY/FACILITY AT

GEORGIA PACIFIC CORPORATION
DEROUSE AVENUE
DELAIR, NJ 08110

OWNER

GEORGIA PACIFIC CORPORATION
DEROUSE AVENUE
DELAIR, NJ 08110

ISSUING DIVISION

Water Resources

TYPE OF PERMIT

Treatment Works Approval-
Construct and Operate

STATUTE(S) **APPLICATION NO.**

N.J.S.A. 58:10A-1 et seq.

A PERMIT TO

Construct and operate the treatment works as proposed in the Treatment Works Approval application dated April 14, 1989. The proposed treatment works consists of an aerated stabilization tank, and influent flow control tank and a pumping station. Treated wastewater will be discharged to the Delaware River in accordance with the terms and conditions of the NJPDES/DSW Permit No. NJ0004669.

Narinder K. Ahuja

DEP AUTHORIZATION
Narinder K. Ahuja, P.E., Bureau Chief

DEP-008
(1/88)

THIS NOTICE MUST BE CONSPICUOUSLY DISPLAYED AT THE ACTIVITY/FACILITY SITE.

New Jersey Department of Environmental Protection

ATTACHMENT E-1

State of New Jersey
Department of Environmental Protection
Division of Water Resources
401 East State Street, CN-029
Trenton, New Jersey 08625

ADDITIONAL CONDITIONS FOR TREATMENT WORKS APPROVAL

In addition to the General Conditions on the reverse of Form WQM-004 of this Permit, this approval is subject to the following additional conditions:

1. That this approval is revocable according to N.J.A.C. 7:14A-2.12 and 12.6 and as provided in General Condition 1.

2. That no physical connection(s) shall be installed or permitted to exist between any unit or pipeline of any public potable water system and any unit or pipeline into or through which wastewater or effluent may discharge.

3. That the Department's review of the facility has been limited to engineering features of significance to applicable effluent limits or to protection of the environment. The full responsibility for adequate design, construction, and operation of the treatment works and the full responsibility for meeting all effluent limitations and conditions set forth in the NJPDES permit (NJ0004669) shall be on the applicant and/or permittee, as appropriate.

4. That the approval to construct and operate said works does not exempt nor shall it be construed to exempt the applicant from obtaining a stream encroachment pemit, if required pursuant to the provisions of N.J.S.A. 58:16A-50 et seq. and the regulations adopted for implementation of the same.

5. That this approval to construct and operate said works herein referred to does not exempt nor shall be construed to exempt the applicant from compliance with rules, regulations, policies, and/or laws of any agency or subdivision of this State having legal jurisdiction.

6. That the approval of plans and/or other data for said works shall remain in force for a period of not more than two years from the date of approval unless said works are constructed.

7. That no wastewater shall be treated by said works or portion thereof until a professional engineer licensed to practice engineering in this State has certified that the project has been inspected under his/her supervision and constructed

ATTACHMENT F-4

according to approved plans and specifications and that the works are adequate to meet all applicable Federal, Interstate, and State effluent limitations. Any significant changes in the plans and specifications approved herein will require a permit modification. Significant changes include, but are not limited to; changes to design parameters, changes to number, type or size of treatment process units, changes in the proximity of treatment units to surface water bodies, potable water lines, wetlands, etc. If any minor changes have been made "as-built" plans and specifications shall be submitted and certified by the professional engineer. The required certification shall be provided on the Professional Engineer Certification form attached to this approval.

8. That the operation of the works shall be under the supervision of a licensed operator from the first day of operation of the treatment works in accordance with N.J.S.A. 58:11-64 and amendments thereto. The operator shall meet the requirements for N2 classification or equivalent, pursuant to the provisions of N.J.A.C. 7:10-13.14.

9. That in accordance with N.J.A.C. 7:14A-12.17(b) the applicant shall submit a complete set of as built plans as well as operation and maintenance manuals prior to operating the wastewater treatment facility.

10. That no sewerage or industrial wastes shall be bypassed except in conformance with N.J.A.C. 7:14A-3.10(b) and that all sewerage or industrial wastes arriving at the treatment works to which the approval relates, shall be treated by each and every process comprising said treatment works.

11. If any provisions of this approval or the application hereof to any person or circumstances is stayed because of challenge or is held invalid, such stay or invalidity shall not effect other provisions or applications, and to this end the provisions of this approval are declared severable.

ATTACHMENT E-5

ATTACHMENT G

4-27-11

Form VSC-005
4/85

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

INCIDENT NOTIFICATION REPORT

☐ TRENTON DISPATCH ☒ DIV. OF WASTE MANAGEMENT ☐ DIV. OF ENVIR. QUALITY ☐ DIV. OF WATER RESOURCES

☐ HQ FIELD OFFICE: ☐ NORTHERN ☐ METRO ☐ CENTRAL ☒ SOUTHERN

DATE 04-11-86 TIME (Military) 1012 by TD REC'D BY 1460 PHONE NO.

INCIDENT REPORTED BY: CASE NO. 86.04.11.04 S

NAME James Buckley | Hoyle PHONE 215-639-3910

STREET 1000 Imperial Ct

CITY Bensalem STATE PA

AFFILIATION Matlack, Inc. | Central

NATURE OF INCIDENT:

EMERGENCY: ☐ FIRE ☐ EXPLOSION ☐ DRUMS ☒ SPILL ☐ DERAILMENT ☐ MUA

COMPLAINT: ☐ SMOKE ☐ ODORS ☐ DUST ☐ SEWAGE ☐ NUISANCE ☐ ILLEGAL DUMPING

OTHER: ☐

INCIDENT LOCATION:

NAME (Site) Georgia-Pacific Co ☐ UNK PHONE 663-6015

STREET Derousse St

CITY Delair COUNTY Camden STATE ZIP CODE

STATUS AT SCENE OF INCIDENT: cleaning it up Matlack driver-coupling failed at Ga Pac. speedy dri applied-will hose down and recycle drain system DATE OF INCIDENT: 04-11-86 TIME: 0925

ANYONE HOSPITALIZED	☐ YES ☒ NO	POLICE AT SCENE	☐ YES ☒ NO
AREA EVACUATED	☐ YES ☒ NO	FIREMAN AT SCENE	☐ YES ☒ NO
CONTAMINATION OF	☐ AIR ☒ LAND ☐ WATER	ASSISTANCE REQUIRED	☐ YES ☐ NO
PUBLIC EXPOSURE	☐ YES ☐ NO		
RECEIVING WATER		POTABLE WATER SOURCE	☐ YES ☐ NO
WIND DIRECTION	LOCATION TYPE ☐ CITY ☐ INDUSTRIAL ☐ RURAL		

SOURCE OF INCIDENT/PROBLEM: ☒ KNOWN ☐ UNKNOWN

COMPANY NAME Same as 12, John Capt-Water quality Supt PHONE

CONTACT Joseph Savage-Plant Super TITLE

STREET

CITY COUNTY STATE ZIP CODE

IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE: ☐ KNOWN ☐ UNKNOWN

NAME OF SUBSTANCE Hercon 32-neutral sizing compound (resin)-made by Hercules-water soluble-water proofing agent

AMT. 20 gal A/P/E SUBSTANCE CONTAINED ☒ YES ☐ NO ☐ UNKNOWN

OFFICIALS NOTIFIED. (A-310)

HEALTH DEPT.: PERSON CCHD Lois Kincaid PHONE 957-8600 DATE 4-11-86

LOCAL MUNIC.: PERSON PHONE DATE

ATTACHMENT G-1

4-27-17

FP-(X)1 C
9/88

Logged 12-13-88

PAGE 1 OF

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DUTY OFFICER NOTIFICATION REPORT

12-12-88 lgh.

CASE NO 88 (Yr) · 12 (Mo) · 11 (Day) · 1245 (Time)

DATE 12 (Mo) · 11 (Day) · 88 (Yr) REC'D BY R 23 TIME 1256

INCIDENT REPORT BY:

Name Bruce Meskers Phone 387-4506

Street

City State

Affiliation/Title Mc Transport

INCIDENT LOCATION: ___ Transportation ___ Facility ___ Other:

Name (Site): Conrail Pacific Phone

Street Derousse St

City Delair County Camden State Zip Code

Date of Incident: 12 (Mo) · 11 (Day) · 88 (Yr) Time: 1215

IDENTITY OF SUBSTANCE(S) SPILLED, RELEASED, ETC.: ___ Suspected ___ Unknown

Name of Substance(s) [Gas, Liquid, Solid]: #6 fuel oil

Amount Released/Spilled 40 gal ___ Actual ___ Potential ___ Estimated Substance Contained (Y) N U

Type of Release/Spill: ___ Terminated ___ Continuous ___ Intermittent Hazardous Material (Y) N U

INCIDENT DESCRIPTION:

___ Fire ___ Explosion ___ Air Rel ✓ Spill ___ MVA ___ Derailment ___ Smoke/Dust

___ Odors ___ Sewage ___ NJPDES ___ Noise ___ Wildlife ___ Illegal Dumping ___ Drums

___ Equip Start-Up/Shutdown, Equip Fail/Upset, etc.

___ Other (specify)

Injuries	Y (N) U	Public Exposure	Y (N) U
Facility Evacuation	Y (N) U	Fire Department at Scene	Y (N) U
Population Evacuation	Y (N) U	Police at Scene	Y (N) U
Potable Water Source	Y N U	Assistance Requested	Y N U
Contamination of ___ Air ✓ Land ___ Water		Precipitation	Y N U
Receiving Water		Wind Direction/Speed	

Location Type: ___ Residential ✓ Industrial ___ Commercial ___ Rural ___ Sensitive Population (Hosp., School, Nurs. Home)

STATUS AT INCIDENT SCENE Spill cause By River area - Over Flow Of Fm Truck. Oil contained in Loading Dock Clean Harbor to clean up on 12 Dec 88

RESPONSIBLE PARTY: ___ Suspected ___ Unknown

Company Name Phone

Contact Title

Street

City County State Zip Code

ATTACHMENT(S)

OFFICIAL NOTIFIED (Name/Title)

ATTACHMENT H

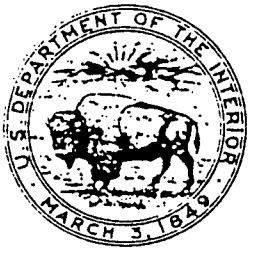
Trube

GEOLOGY AND GROUND-WATER RESOURCES OF CAMDEN COUNTY, NEW JERSEY

By George M. Farlekas, Bronius Nemickas, and Harold E. Gill

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations 76–76

Prepared in cooperation with
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER RESOURCES



June 1976

ATTACHMENT 1

Camden County, New Jersey, is located in the Philadelphia-Camden metropolitan area. The western edge of the county is urban and industrial in character. The central part is less industrial and more suburban in character, and the eastern part is sparsely populated and predominantly agricultural, although urbanization is advancing eastward quite rapidly.

Camden County is in the Atlantic Coastal Plain physiographic province. Underlying the county are unconsolidated sediments of Quaternary, Tertiary, and Cretaceous age, consisting of mostly alternating sands, silts, and clays. The sediments dip gently to the southeast and thicken from 40 feet at the Delaware River to 2,900 feet at the Camden-Atlantic County line. Below the unconsolidated sediments is the pre-Cretaceous crystalline bedrock.

The major fresh-water aquifers in Camden County are sands and gravels of Cretaceous and Tertiary age in the Potomac Group and the Raritan and Magothy Formations; the Cohansey Sand; the Wenonah Formation-Mount Laurel Sand; and the Englishtown Formation. Minor aquifers are found in parts of the Merchantville Formation, the undifferentiated Vincentown and Manasquan Formations, and the Kirkwood Formation. Saturated sands and gravels in the surficial deposits of Quaternary age where in direct contact are commonly hydraulically connected to the underlying aquifers.

The rate of ground-water withdrawal for Camden County was 68 mgd (million gallons per day) in 1966. This was the largest average annual county pumpage in the State in 1966. Eighty-five percent (56 mgd) was pumped from the aquifer system in the Potomac Group and the Raritan and Magothy Formations.

The potentiometric surfaces of all the major artesian aquifers in Camden County declined from 1900 to 1970 as a result of pumping. The largest decline occurred in the aquifer system in the Potomac Group and the Raritan and Magothy Formations. At Haddon Heights, in the western part of the county, the potentiometric surface declined about 110 feet f[illegible] 1900 to 1968. The potentiometric surface of the aqui[fer] Wenonah Formation-Mount Laurel Sand declined 43 feet 60 years in the vicinity of Berlin Borough.

The chemical quality of ground water in Camd[en]

ATTACHMENT H-2

is generally satisfactory for most uses. Concentrations of iron greater than the State's potable-water standard of 0.3 milligrams per liter are found in some areas of the Potomac-Raritan-Magothy aquifer system, in scattered locations in the Wenonah Formation-Mount Laurel Sand, and in the Cohansey Sand. In general, higher values of dissolved solids, sulfate, and chloride occur in water in and near the outcrop of the Potomac-Raritan-Magothy aquifer system than downdip in the aquifer. In the southeastern part of the county chloride concentrations in excess of 250 milligrams per liter can be found in the same aquifer system. The high chloride water has remained in the aquifer system from the time of deposition or has re-entered the system from the ocean after changes in sea level since Pleistocene time.

Contamination of water in the Potomac-Raritan-Magothy aquifer system in the Philadelphia area has created a potential water-quality problem for the Camden area near the Delaware River. Contaminated ground water in Philadelphia, with high concentrations of sulfate and dissolved solids, is moving under the Delaware River toward Eagle Point in Gloucester County near the Camden County line. Decrease of pumping in Philadelphia and simultaneous increase of pumping in Camden and Gloucester Counties tends to draw ground water from Philadelphia toward New Jersey.

The greatest potential for additional ground-water development in the county is from the Cohansey Sand which is generally an unconfined aquifer. The Cohansey also has the greatest possibility of ground-water contamination because of the local effect of wastes from suburban and industrial development and the shallow depth of the Cohansey aquifer.

ATTACHMENT H-3

Well-Numbering System

The well-numbering system used in this report are based on the system used by the U.S. Geological Survey in New Jersey. The well number consists of the county designation and a sequence number of the well within each county. New Jersey county codes are numerical two-digit codes. New Jersey county codes used in this report are Burlington (05), Camden (07), Gloucester (15), Mercer (21), and Salem (33). A representative well number is 15-137 for the 137th well indexed in Gloucester County.

Acknowledgments

The authors gratefully acknowledge the assistance of public officials, industry representatives, and individuals who permitted access to their wells for the collection of water samples and provided information on their wells.

GEOHYDROLOGY

The New Jersey Coastal Plain consists of a wedge of unconsolidated sediments which thickens and dips toward the Atlantic Ocean. The oldest of these sediments are the Potomac Group and Raritan and Magothy Formations of Cretaceous age, which overlie crystalline bedrock.

The Potomac-Raritan-Magothy aquifer system consists of aquifers composed of sand and gravel and confining units of silt and clay. The aquifer system crops out in a narrow 3-to-5 mile-wide band adjacent to the Delaware River in southwestern New Jersey. Three major aquifers have been defined within the aquifer system in most of the study area. A typical hydrogeologic section through the study area is illustrated in figure 2 (written communication, Otto S. Zapecza, U.S. Geological Survey, 1983).

The aquifer system is confined from below by crystalline bedrock and from above by the thick clay of Merchantville-Woodbury confining unit. The Merchantville-Woodbury confining unit is one of the least permeable confining units in the New Jersey Coastal Plain and limits vertical leakage into the aquifer system from overlying sediments southeast of the outcrop area.

The Potomac-Raritan-Magothy aquifer system is artesian, except in parts of the outcrop area, where the upper and middle aquifers are water-table aquifers. In New Jersey, the lower aquifer is thought to be confined but, in Pennsylvania, may be a water-table aquifer. The lower aquifer may also receive recharge vertically through the leaky confining unit between the middle and lower aquifer. Potentiometric heads in the middle and lower aquifers are similar in much of the Coastal Plain and are generally lower than potentiometric heads in the upper aquifer (Walker, 1983).

ATTACHMENT H-4

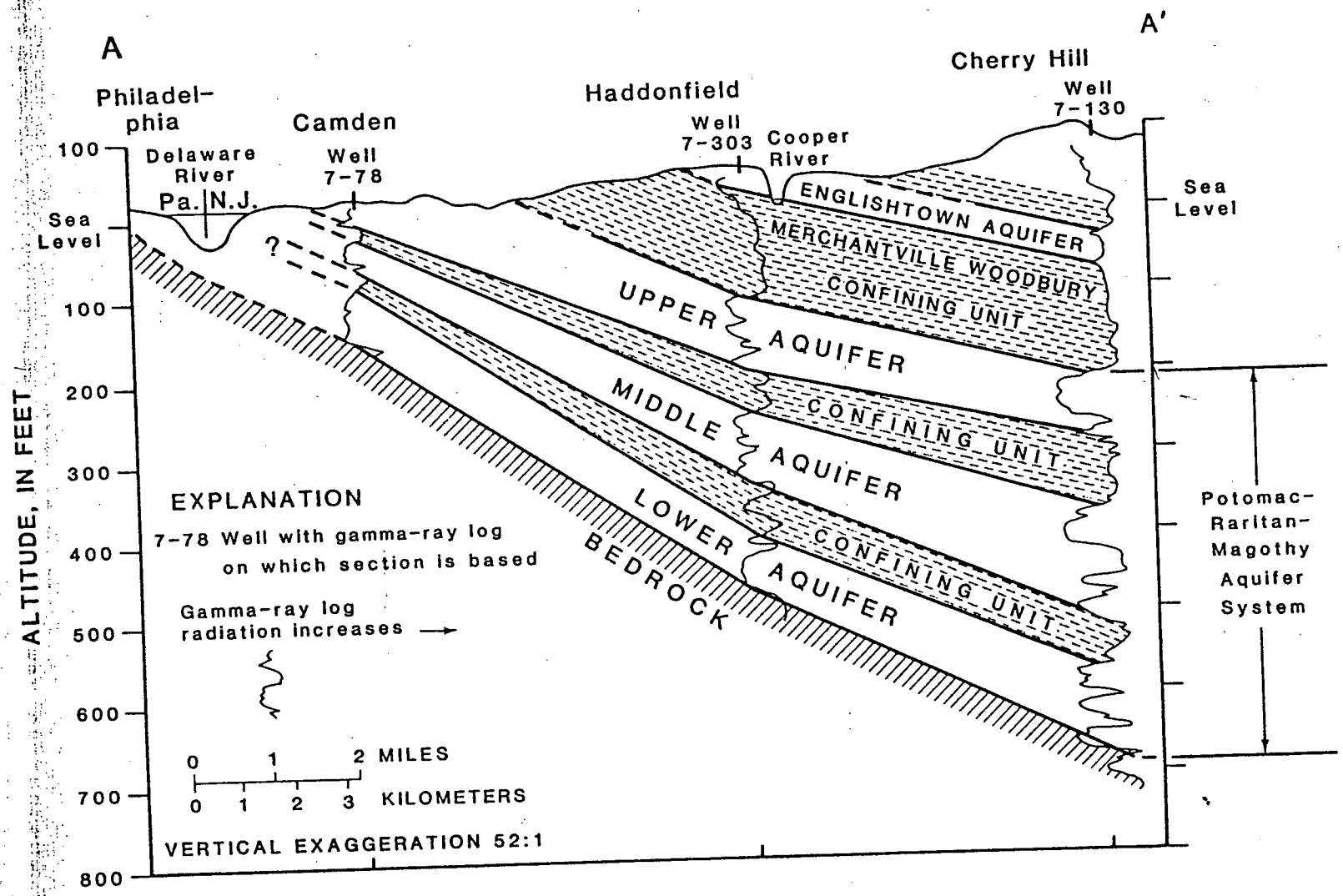


Figure 2.--Hydrogeologic section through study area.
Line of section shown on Plate 1.

ATTACHMENT H-5

of development from the lower aquifer in Philadelphia and present maps of the potentiometric surface for the early 1920's, 1940, 1945, and 1954. The pumpage was approximately 5 mgd in 1920, 15 mgd in 1940, and 23 mgd in 1945. Withdrawals from the lower aquifer in Philadelphia decreased in 1946 and 1947, but again increased to 23 mgd in 1951. The rate of withdrawals declined after 1953 and pumpage in South Philadelphia in 1956 was 18 mgd. No recent complete inventory of withdrawal from the lower aquifer in Philadelphia has been made. However, spot inventories at the U. S. Navy Base and head measurements in 1968 in a few wells in Philadelphia indicate a much lower pumpage. Many wells pumped in 1956 were no longer in use in 1968.

Recharge and Movement of Ground Water

As presented in the section on patterns of ground-water movement the movement of water in the Potomac-Raritan-Magothy aquifer system prior to pumpage was influenced by recharge in topographically high areas while the discharge areas were the Delaware River, and to some extent, the topographic lows or stream valleys which cut across the outcrop areas.

Recharge and movement of water in the Potomac-Raritan-Magothy aquifer system was altered by the large amount of withdrawals, especially in the area near the Delaware River. As pumping increased the gradients were reversed in the water table and artesian aquifers near and under the Delaware River. Greenman and others (1961) suggest that induced recharge occurs from the Delaware River into the aquifers in Philadelphia. They compared the specific conductance of the water from a well located near the Delaware River and the specific conductance of the Delaware River. Fluctuations in specific conductance were similar except that there was a five-month time lag. Barksdale and others (1958) give substantial evidence to show that induced recharge from the Delaware River occurs in the heavily pumped parts of the aquifer near the river. They cite three types of evidence; aquifer test results, temperature fluctuations, and changes in chemical quality. An aquifer test at the Morro Phillips tract in Camden City near the Delaware River indicated a recharge boundary under the river and suggested that after two years of operation a well near the river would obtain 90 percent of its water from the river. Temperatures of water in a well near the river (at Beverly, Burlington County) change seasonally as does the temperature of water in the Delaware River. On the other hand the temperature of the water in a well several miles away from the river (at

ATTACHMENT H-6

Haddon Heights) remains essentially constant (Barksdale and others, 1958, p. 106-108). Changes in chemical quality of water from wells near the river were cited by Barksdale and others (1958) as evidence of induced recharge. Table 7 gives the chemical quality data of two wells, located in Pennsauken Township, used by Barksdale and others (1958, p. 121-123) and also includes more recent data. The water-quality analyses dated 1924 (table 7) were for samples collected just after completion of the wells. As pointed out by Barksdale and others (1958) the dissolved-solids content of the water from well 1 (PE 18), located near the river, more than doubled between 1924 and 1953 while the quality of water from well 4 (PE 21), located one mile from the river, remained the same. Much of the water obtained from well 1 is induced river water; whereas, well 4 receives a much greater part of its water from the aquifer and a lesser amount of water from the Delaware River. Data from samples taken after 1953 from well 1 indicate improved quality for a period of approximately 13 years. This was followed by a decline in quality as evidenced by increasing chlorides, sulfates, and specific conductance. Chlorides were 27 mg/l (milligrams per liter) in 1969, an increase from 8.0 mg/l in 1963. Changes in the quality of the river water probably caused the variation in quality of water in the wells.

Recharge of the aquifer system downdip from the outcrop area is mainly from vertical leakage through the overlying confining unit. In the area downdip of the outcrop there have been significant declines in the potentiometric surface--declines in excess of 100 feet at some locations. The difference in heads between those in the Potomac-Raritan-Magothy aquifer system and the overlying aquifers provides the driving mechanism for downward vertical leakage. The rate of vertical leakage is, with all other factors being equal, probably greater in the downdip area where large head differences occur. In the area near the outcrop the head difference is not as large, and thus the rate of vertical leakage is probably smaller. This area is also closer to the Delaware River, which is a recharge boundary. In addition to recharge of water through the confining units, significant amounts of water are released to the aquifer system from storage within the confining silts and clays in the Potomac Group and the Raritan and Magothy Formations and the overlying confining units.

An additional source of water lies outside of the political boundaries of Camden County. Water moves toward Camden from the adjacent areas outside the county line as the pumping cone of depression expands. Description of the regional pattern of ground-water flow for this aquifer system for the hydrologic unit in southern New Jersey has been studied

ATTACHMENT H-7

ATTACHMENT I

VWX-015 A

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

EASE TYPE OR PRINT WITH BALLPOINT PEN

ACILITY NAME Georgia-Pacific Corp. | SW ID NO.

NAME Princeton Testing

R (1) | NJPDES NO. NJ 0 0 0 4 6 6 9 (2–8) | WELL PERMIT NO. 31-26206- (9–16) | SAMPLE DATE YR. 87 MO. 07 DAY 12 (17–22) | NJ LAB CERT. NO. 11118 (23–27) | WQM USE (28)

Monitoring Well No. MW-1

HE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 07 87 (MO. YR.) TO 12 87 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.30	
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		9.43	
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	9.3	
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	6.43	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	4000	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	< 20	
X X X X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	< 20	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	140	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

T-1

ATTACHMENT

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

NJPDES NO.: S NJ 0 0 0 4 6 6 9 (2–8)

WELL PERMIT NO.: 31-26206- (9–16)

SAMPLE DATE: YR. 87 MO. 07 DAY 12 (17–22)

NJ LAB CERT. NO.: 11118 (23–27)

WQM USE: (28)

Monitoring Well No. MW-1

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. 01 YR. 87 TO MO. 12 YR. 87

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	2.2	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X	pH	Standard Units	00400	5.9	D
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	<1.0	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	70	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	mg/L		<.5	
X X X X	Petroleum Hydrocarbons	mg/L		<.5	

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-2

orm VWX-015 A

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

EASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

B NAME: Princeton Testing

R (1) | NJPDES NO. NJ 0 0 0 4 6 6 9 (2–8) | WELL PERMIT NO. 31-26205-8 (9–16) | SAMPLE DATE YR. 87 MO. 07 DAY 12 (17–22) | NJ LAB CERT. NO. 1 1 1 1 8 (23–27) | WQM USE (28)

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 01 87 (MO. YR.) TO 12 87 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		13.89	
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		11.46	
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	25.85	
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	23.42	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	55000	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20	
X X X X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	60	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

ATTACHMENT I-3

/83

DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
S NJ 0 0 0 4 6 6 9	31-26205-8	87 07 12	11118	

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 8 7 (MO. YR.) TO 12 87 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	3.61	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X	pH	Standard Units	00400	5.85	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	122	
X X X	Total Dissolved Solids (TDS)	PPM	70300	386	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X	Oil and Grease	mg/L		< .5	
X X X	Petroleum Hydrocarbons	mg/L		< .5	

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 53 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

ATTACHMENT I-4

rm VWX-015 A

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SWID NO.:

LAB NAME: Princeton Testing

R (1) | NJPDES NO. NJ (2–8): 0 0 0 4 6 5 9 | WELL PERMIT NO. (9–16): 31-26207-1 | SAMPLE DATE YR. (17–18): 87 MO. (19–20): 07 DAY (21–22): 12 | NJ LAB CERT. NO. (23–27): 1 1 1 5 3 | WQM USE (28)

Monitoring Well No. MW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. 1 YR. 87 TO MO. 12 YR. 87

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.03	
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		10.14	
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	25.75	
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	23.86	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	21000	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20	
X X X X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	50	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-5

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 | WELL PERMIT NO.: 3 1 - 2 6 2 0 4 - | SAMPLE DATE YR. MO. DAY: 8 7 0 7 1 2 | NJ LAB CERT. NO.: 1 1 1 1 8 | WQM USE

Monitoring Well No. HW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 0 1 8 7 (MO. YR.) TO 1 2 8 7 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS: Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
												Methoxychlor, Total	UG/L	39480		
												Methylene Blue Active Substances	MG/L	38260		
X		X			X				X			Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	2.9	
												Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
												Odor	T.O.N.	00085		
X		X			X				X			pH	Standard Units	00400	6.25	
												Phenols, Total Recoverable	UG/L	32730		
												Radium 226, Dissolved	Pc/L	09503		
												Radium 228, Dissolved	Pc/L	81366		
												Selenium, Dissolved	UG/L	01145		
												Silver, Dissolved	UG/L	01075		
												Sodium, Dissolved	MG/L	00930		
X		X			X				X			Sulfate, Dissolved (as SO_4)	MG/L	00946	11	
X		X			X				X			Total Dissolved Solids (TDS)	PPM	70300	160	
												Total Organic Carbon (TOC)	PPM	00680		
												Total Organic Halogen (TOX)	UG/L	70353		
												Toxaphene	UG/L	39400		
												Turbidity	NTU	00078		
												Zinc, Dissolved	UG/L	01090		
												2, 4–D, Total	UG/L	39370		
												2, 4, 5–TP, Total	UG/L	39045		
X		X			X				X			Oil and Grease	MG/L		3.5	
X		X			X				X			Perroleum Hydrocarbons	MG/L		<2.0	

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

ATTACHMENT I-6

VWX-015 A

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

NAME: Princeton Testing

R | NJPDES NO.: NJ0004669 | WELL PERMIT NO.: 31-26202-3 | SAMPLE DATE YR. MO. DAY: 87 07 12 | NJ LAB CERT. NO.: 11118 | WQM USE:

Monitoring Well No. MW-H

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 07 87 MO. YR. TO 12 87 MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		111.31	
X X X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		98.71	
X X X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	8.5	
X X X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	5.9	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X X X	Chloride, Dissolved	UG/L as Cl	82295	17000	
X X X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20	
X X X X X X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X X X	Lead, Dissolved	UG/L as Pb	01049	40	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-7

/83

DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

SE TYPE OR PRINT WITH BALLPOINT PEN

ILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

AB NAME:

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. | MO. | DAY	NJ LAB CERT. NO.	WQM USE
S NJ 0 0 0 4 6 6 9	31-26202-3	87 07 12	1 1 1 8	
1 2 8	9 16	17 22	23 27	25

Monitoring Well No. MW-4

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 01 87 (MO. YR.) TO 12 87 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS: Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
Methoxychlor, Total	UG/L	39480		
Methylene Blue Active Substances	MG/L	38260		
Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	.6	
Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
Odor	T.O.N.	00085		
pH	Standard Units	00400	5.8 H	
Phenols, Total Recoverable	UG/L	32730		
Radium 226, Dissolved	Pc/L	09503		
Radium 228, Dissolved	Pc/L	81366		
Selenium, Dissolved	UG/L	01145		
Silver, Dissolved	UG/L	01075		
Sodium, Dissolved	MG/L	00930		
Sulfate, Dissolved (as SO_4)	MG/L	00946	37	
Total Dissolved Solids (TDS)	PPM	70300	233	
Total Organic Carbon (TOC)	PPM	00680		
Total Organic Halogen (TOX)	UG/L	70353		
Toxaphene	UG/L	39400		
Turbidity	NTU	00076		
Zinc, Dissolved	UG/L	01090		
2, 4–D, Total	UG/L	39370		
2, 4, 5–TP, Total	UG/L	39045		
Oil and Grease	MG/L		3.0	
Petroleum Hydrocarbons	MG/L		<1.0	

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 65 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

ATTACHMENT I-8

orm VWX-015 A
/83

DIVISION OF WATER RESOURCES

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

EASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

R | NJPDES NO. NJ0004659 (1–8) | WELL PERMIT NO. 31-26203-1 (9–16) | SAMPLE DATE YR. 87 MO. 07 DAY 12 (17–22) | NJ LAB CERT. NO. 11115 (23–27) | WQM USE (28)

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 10/87 (MO. YR.) TO 9/87 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
			X			X			X			Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		111.04	
X			X			X			X			Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		831	
			X			X			X			Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	89.14	
X			X			X			X			Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	60.12	
												Arsenic, Dissolved	UG/L as As	01000		
												Barium, Dissolved	UG/L as Ba	01005		
												Biochemical Oxygen Demand - 5 Day	MG/L	00310		
												Cadmium, Dissolved	UG/L as Cd	01025		
			X			X			X			Chloride, Dissolved	UG/L as Cl	82295	9000	
X			X			X			X			Chromium, Dissolved	UG/L as Cr	01030	<20	
X			X			X			X			Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20	
												Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
												Coliform Group	N/100 ML	74056		
												Color	Pt - Co	00080		
												Copper, Dissolved	UG/L as Cu	01040		
												Cyanide, Total	MG/L as CN	00720		
												Endrin, Total	UG/L	39390		
												Fluoride, Dissolved	MG/L as F	00950		
												Gross Alpha, Dissolved	Pc/L	01503		
												Gross Beta, Dissolved	Pc/L	03503		
												Hardness, Total as $CaCO_3$	MG/L	00900		
												Iron, Dissolved	UG/L as Fe	01046		
X			X			X			X			Lead, Dissolved	UG/L as Pb	01049	110	
												Lindane, Total	UG/L	39782		
												Manganese, Dissolved	UG/L	01056		
												Mercury, Dissolved	UG/L	71890		

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 42 55 68 | 33 34 46 47 59 60 72 73 | 40 41 53 54 66 67 79 80

ATTACHMENT I-9

WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
S NJ 0004669	31-26203-1	87 07 12	11118	

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM 01 87 (MO. YR.) TO 12 87 (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	1.2	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X	pH	Standard Units	00400	5.85	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81386		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	34	
X X X	Total Dissolved Solids (TDS)	PPM	70300	214	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X	Oil and Grease	MG/L		<.5	
X X X	Petroleum Hydrocarbons	MG/L		<.5	

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 33 34 40 41
42 46 47 53 54
58 59 60 66 67
65 72 73 79 80

ATTACHMENT I-10

Form VWX-015 A

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing Labs

R (1) | NJPDES NO. (2–8): NJ 0 0 0 4 6 6 9 | WELL PERMIT NO. (9–16): 3 i - 2 6 2 0 6 - | SAMPLE DATE YR. | MO. | DAY (17–22): 8 8 0 4 2 5 | NJ LAB CERT. NO. (23–27): 1 1 1 1 8 | WQM USE (28):

Monitoring Well No. MW-1

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.30	
X X X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		9.43	
X X X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	9.96	
X X X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	7.09	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	1000.	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20.	
	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20.	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	<20.	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-11

NEW JEF ' DEPARTMENT OF ENVIRONMENTAL PROTECT 'N
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing Labs

	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
	S NJ 0 0 0 4 6 6 9 (2–8)	3 i - 2 6 2 9 6 - (9–16)	8 8 0 4 2 5 (17–22)	1 1 1 1 8 (23–27)	(28)

Monitoring Well No. MW-1

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM [ ] MO. [ ] YR. TO [ ] MO. [ ] YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	<.15	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X	pH	Standard Units	00400	6.05	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
	Sulfate, Dissolved (as SO_4)	MG/L	00946	36.	
X	Total Dissolved Solids (TDS)	PPM	70300	115.	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X	Oil and Grease	MG/L		2.2	
	Petroleum Hydrocarbons	MG/L		.92	

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

ATTACHMENT I-12

n VWX-015 A

NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTE TION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME Georgia-Pacific Corp. | SW ID NO.

LAB NAME Princeton Testing Labs

R	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
1	NJ 0 0 0 4 6 6 9 (2–8)	3 1 - 2 6 2 0 5 - 8 (9–16)	8 8 0 4 2 5 (17–22)	1 1 1 1 8 (23–27)	(28)

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM ____ (MO. YR.) TO ____ (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		13.89	
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		11.46	
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	27.13	
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	24.70	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	50000.	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20.	
	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20.	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	<20.	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE

ATTACHMENT I-18

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.

LAB NAME: Princeton Testing

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
S NJ 0 0 0 4 6 6 9 (2–8)	31-26205-8 (9–16)	88 04 25 (17–22)	11111 (23–27)	(28)

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	2.0	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.30	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	70.	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	406.	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		1.2	
X X X X	Petroleum Hydrocarbons	MG/L		<.015	

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-(4)

VWX-015 A

NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTE TION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME Georgia-Pacific Corp. | SW ID NO.

LAB NAME Princeton Testing Labs

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. | MO. | DAY	NJ LAB CERT. NO.	WQM USE
R NJ0004669 (1, 2–8)	31-26204- (9–16)	880425 (17–22)	11118 (23–27)	(28)

Monitoring Well No. MW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.03	
X X X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		10.14	
X X X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	27.18	
X X X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	25.29	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	18000.	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20.	
	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20.	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	<20.	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

ATTACHMENT I-13

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.

AB NAME: Princeton Testing Labs

	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
	S NJ 0 0 0 4 6 6 9	31-26 20H-	88 04 25	1 1 1 1 B	
	1 2 8	9 16	17 22	23 27	28

Monitoring Well No. MW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	1.6	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.70	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	16.	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	143.	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		3.4	
X X X X	Petroleum Hydrocarbons	MG/L		2.4	

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE

ATTACHMENT I-16

m VWX-015 A
3

NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTF TION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

ACILITY NAME Georgia-Pacific Corp. | SW ID NO.

AB NAME Princeton Testing Labs

R (1) | NJPDES NO. NJ 0 0 0 4 6 6 9 (2–8) | WELL PERMIT NO. 31-26202-3 (9–16) | SAMPLE DATE YR. | MO. | DAY 88 07 25 (17–22) | NJ LAB CERT. NO. 1 1 1 B (23–27) | WQM USE (28)

Monitoring Well No. MW-4

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		11.31	
X X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		8.71	
X X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	11.68	
X X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	9.08	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	27000.	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20.	
	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20.	
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	<20.	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE

ATTACHMENT E-12

rm-VWX-015 A
83

NEW JE Y DEPARTMENT OF ENVIRONMENTAL PROTE TION
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME Georgia-Pacific Corp. | SW ID NO.

LAB NAME Princeton Testing

R (1) NJPDES NO. NJ 0 0 0 4 6 6 9 (2–8) | WELL PERMIT NO. 31-26202-3 (9–16) | SAMPLE DATE YR. 88 MO. 07 DAY 25 (17–22) | NJ LAB CERT. NO. 1 1 1 1 8 (23–27) | WQM USE (28)

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
X X X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		11.04	
X X X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		8.31	
X X X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	9.12	
X X X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	6.39	
	Arsenic, Dissolved	UG/L as As	01000		
	Barium, Dissolved	UG/L as Ba	01005		
	Biochemical Oxygen Demand - 5 Day	MG/L	00310		
	Cadmium, Dissolved	UG/L as Cd	01025		
X X X X	Chloride, Dissolved	UG/L as Cl	82295	26000.	
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20.	
	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220		
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341		
	Coliform Group	N/100 ML	74056		
	Color	Pt - Co	00080		
	Copper, Dissolved	UG/L as Cu	01040		
	Cyanide, Total	MG/L as CN	00720		
	Endrin, Total	UG/L	39390		
	Fluoride, Dissolved	MG/L as F	00950		
	Gross Alpha, Dissolved	Pc/L	01503		
	Gross Beta, Dissolved	Pc/L	03503		
	Hardness, Total as $CaCO_3$	MG/L	00900		
	Iron, Dissolved	UG/L as Fe	01046		
X X X X	Lead, Dissolved	UG/L as Pb	01049	<20.	
	Lindane, Total	UG/L	39782		
	Manganese, Dissolved	UG/L	01056		
	Mercury, Dissolved	UG/L	71890		

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE

ATTACHMENT I-15

NEW JEI ' DEPARTMENT OF ENVIRONMENTAL PROTEC N
DIVISION OF WATER RESOURCES
WATER QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

*EASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

AB NAME: Princeton Testing Labs

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
S NJ 0 0 0 4 6 6 9 (2–8)	31-26202-3 (9–16)	8 8 0 4 2 5 (17–22)	1 1 1 1 B (23–27)	(28)

Monitoring Well No. MW-4

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	.13	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.65	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	42	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	261	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		<.5	
X X X X	Petroleum Hydrocarbons	MG/L		<.5	

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

ATTACHMENT I-18

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S (1) | NJPDES NO. NJ 0 0 0 4 6 6 9 (2–8) | WELL PERMIT NO. 31-26202-3 (9–16) | SAMPLE DATE YR. 88 MO. 04 DAY 25 (17–22) | NJ LAB CERT. NO. 1 7 1 1 3 (23–27) | WQM USE (28)

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM [ ] MO. [ ] YR. TO [ ] MO. [ ] YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	.6	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.35	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	28.	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	222.	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG\L		<.5	
/ X X X	Petroleum Hydrocarbons	MG\L		<.5	

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

VALUE CODING RULES AND
REMARK CODES ON REVERSE

ATTACHMENT I-28

DIVISION OF WATER RESOURCES

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

R | NJPDES NO.: NJ0004659 | WELL PERMIT NO.: 31-26206 | SAMPLE DATE YR. 88 MO. 10 DAY 13 | NJ LAB CERT. NO.: 11118 | WQM USE

Monitoring Well No. MW-1

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec)	ANALYSES	UNITS	PARAMETER	VALUE
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.30
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		9.43
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	10.65
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	7.78
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01025	
X X X X	Chloride, Dissolved	UG/L as Cl	82995	12000
X X X X	Chromium, Dissolved	UG/L as Cr	01030	30
X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X X X X	Lead, Dissolved	UG/L as Pb	01049	220
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT E-21

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 (2–8) | WELL PERMIT NO.: 31-26206- (9–16) | SAMPLE DATE YR. 88 MO. 10 DAY 13 (17–22) | NJ LAB CERT. NO.: 11118 (23–27) | WQM USE (28)

Monitoring Well No. MW-1

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38280		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	1.0	
	Nitrogen, Nitrate Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.25	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00948	26.0	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	168	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		1.5	
X X X X	Petroleum Hydrocarbons	MG/L		0.6	

VALUE CODING RULES AND REMARK CODES ON REVERSE

29 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

ATTACHMENT I-11

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.

LAB NAME: Princeton Testing

R | NJPDES NO.: NJ0004559 | WELL PERMIT NO.: 31-26205-8 | SAMPLE DATE: YR. 88 MO. 10 DAY 13 | NJ LAB CERT. NO.: 11115 | WQM USE

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		13.89
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		11.46
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	24.75
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	22.32
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01025	
X X X X	Chloride, Dissolved	UG/L as Cl	82295	70000
X X X X	Chromium, Dissolved	UG/L as Cr	01030	40
X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00850	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X X X X	Lead, Dissolved	UG/L as Pb	01049	40
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-23

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 | WELL PERMIT NO.: 31-26205-8 | SAMPLE DATE YR. 88 MO. 10 DAY 13 | NJ LAB CERT. NO.: 1 1 1 1 E | WQM USE

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-FWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	1.9	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.25	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	19	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	514	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00078		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		2.0	
X X X X	Petroleum Hydrocarbons	MG/L		<0.05	

VALUE CODING RULES AND REMARK CODES ON REVERSE

28 33 34 40 41
42 46 47 53 54
58 59 60 66 67
66 72 73 79 80

ATTACHMENT I-24

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SWIS NO.:

LAB NAME: Princeton Testing

R | NJPDES NO.: NJ0 0 0 4 5 5 9 | WELL PERMIT NO.: 31-26204 | SAMPLE DATE YR. 88 MO. 10 DAY 13 | NJ LAB CERT. NO.: 11113 | WQM USE

Monitoring Well No. MW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-WWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE
X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.03
X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		10.14
X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	24.75
X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	22.86
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01025	
X	Chloride, Dissolved	UG/L as Cl	82295	23000
X	Chromium, Dissolved	UG/L as Cr	01030	<20
X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X	Lead, Dissolved	UG/L as Pb	01049	<20
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

28 33 34 40
42 46 47 53
58 59 60 66
68 72 73 79

ATTACHMENT I-25

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 | WELL PERMIT NO.: 31-26204- | SAMPLE DATE YR. 88 MO. 10 DAY 13 | NJ LAB CERT. NO.: 1 1 1 B | WQM USE

Monitoring Well No. MW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-PWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	2.3	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.70	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	6	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	194	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		3.8	
X X X X	Petroleum Hydrocarbons	MG/L		<0.5	

VALUE CODING RULES AND REMARK CODES ON REVERSE

15 | 33 34 | 40 41
42 | 46 47 | 53 54
58 | 59 60 | 66 67
68 | 72 73 | 79 80

ATTACHMENT I-26

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

R | NJPDES NO.: NJ0004559 | WELL PERMIT NO.: 31-26202-3 | SAMPLE DATE TR. MO. DAY: 88 10 13 | NJ LAB CERT. NO.: | WQM USE

Monitoring Well No. MW-4

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		11.31
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		8.71
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	12.75
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	10.15
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01025	
X X X X	Chloride, Dissolved	UG/L as Cl	82295	80000
X X X X	Chromium, Dissolved	UG/L as Cr	01030	20
X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X X X X	Lead, Dissolved	UG/L as Pb	01049	50
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-12

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 | WELL PERMIT NO.: 31-26202-3 | SAMPLE DATE YR. 88 MO. 10 DAY 13 | NJ LAB CERT. NO.: 1 1 1 1 8 | WQM USE

Monitoring Well No. MW-4

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-PWX-014

SAMPLING MONTHS: Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
Methoxychlor, Total	UG/L	39480		
Methylene Blue Active Substances	MG/L	38260		
Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	3.4	
Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
Odor	T.O.N.	00085		
pH	Standard Units	00400	6.70	
Phenols, Total Recoverable	UG/L	32730		
Radium 226, Dissolved	Pc/L	09503		
Radium 228, Dissolved	Pc/L	81366		
Selenium, Dissolved	UG/L	01145		
Silver, Dissolved	UG/L	01075		
Sodium, Dissolved	MG/L	00930		
Sulfate, Dissolved (as SO_4)	MG/L	00946	65	
Total Dissolved Solids (TDS)	PPM	70300	662	
Total Organic Carbon (TOC)	PPM	00680		
Total Organic Halogen (TOX)	UG/L	70353		
Toxaphene	UG/L	39400		
Turbidity	NTU	00076		
Zinc, Dissolved	UG/L	01090		
2, 4–D, Total	UG/L	39370		
2, 4, 5–TP, Total	UG/L	39045		
Oil and Grease	MG/L		1.2	
Petroleum Hydrocarbons	MG/L		2.7	

VALUE CODING RULES AND REMARK CODES ON REVERSE

28 33 34 40 41
42 46 47 53 54
55 59 60 66 67
68 72 73 79 80

ATTACHMENT I-28

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

R | NJPDES NO.: NJ0005559 | WELL PERMIT NO.: 31-26203-1 | SAMPLE DATE YR. MO. DAY: 88 10 13 | NJ LAB CERT. NO.: 11118 | WQM USE

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-PWX-014

SAMPLING MONTHS: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

ANALYSIS	UNITS	PARAMETER	VALUE
Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		11.04
Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		8.31
Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	9.95
Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	7.22
Arsenic, Dissolved	UG/L as As	01000	
Barium, Dissolved	UG/L as Ba	01005	
Biochemical Oxygen Demand - 5 Day	MG/L	00310	
Cadmium, Dissolved	UG/L as Cd	01025	
Chloride, Dissolved	UG/L as Cl	82295	48000
Chromium, Dissolved	UG/L as Cr	01030	<20
Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
Coliform Group	N/100 ML	74056	
Color	Pt - Co	00080	
Copper, Dissolved	UG/L as Cu	01040	
Cyanide, Total	MG/L as CN	00720	
Endrin, Total	UG/L	39390	
Fluoride, Dissolved	MG/L as F	00950	
Gross Alpha, Dissolved	Pc/L	01503	
Gross Beta, Dissolved	Pc/L	03503	
Hardness, Total as $CaCO_3$	MG/L	00900	
Iron, Dissolved	UG/L as Fe	01046	
Lead, Dissolved	UG/L as Pb	01049	120
Lindane, Total	UG/L	39782	
Manganese, Dissolved	UG/L	01056	
Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-19

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 | WELL PERMIT NO.: 31-26203-1 | SAMPLE DATE YR. 88 MO. 10 DAY 13 | NJ LAB CERT. NO.: 1 1 1 1 1 3 | WQM USE

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00808	0.5	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.40	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81386		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	19	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	350	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		1.2	
X X X X	Petroleum Hydrocarbons	MG/L		<0.5	

VALUE CODING RULES AND REMARK CODES ON REVERSE

25 | 33 34 | 40 41
42 | 46 47 | 53 54
58 | 59 60 | 66 67
68 | 72 73 | 79 80

ATTACHMENT I-30

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SWIS NO.:

LAB NAME: Princeton Testing

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE (YR. | MO. | DAY)	NJ LAB CERT. NO.	WQM USE
R NJ0004659	31-26206	89 07 07	11113	

Monitoring Well No. MW-1

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM (MO. YR.) TO (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.30
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		9.43
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	8.50
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	5.63
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01028	
X X X X	Chloride, Dissolved	UG/L as Cl	82895	<100
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20
X X X X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X X X X	Lead, Dissolved	UG/L as Pb	01049	30
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-31

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 | WELL PERMIT NO.: 3 1 - 2 6 2 0 6 - | SAMPLE DATE YR. 8 9 MO. 0 7 DAY 0 7 | NJ LAB CERT. NO.: 1 1 1 1 3 | WQM USE

Monitoring Well No. MW-1

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-PWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	3.5	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.7	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	15	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	89	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00078		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		3.0	
X X X X	Petroleum Hydrocarbons	MG/L		<0.5	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-32

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

R	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
	NJ0004659	31-26205-8	890707	11118	

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM ___ MO. ___ YR. TO ___ MO. ___ YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE
	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		13.89
	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		11.46
	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	21.70
	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	19.27
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01028	
X	Chloride, Dissolved	UG/L as Cl	82295	9000
X	Chromium, Dissolved	UG/L as Cr	01030	<20
X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X	Lead, Dissolved	UG/L as Pb	01049	<20
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-33

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0 0 0 4 6 6 9 | WELL PERMIT NO.: 31-26205-8 | SAMPLE DATE YR. 89 MO. 07 DAY 07 | NJ LAB CERT. NO.: 11118 | WQM USE:

Monitoring Well No. MW-2

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-PWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	0.80	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.8	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	22	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	158	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		2.0	
X X X X	Petroleum Hydrocarbons	MG/L		<0.50	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-34

...QUALITY MANAGEMENT ELEMEN...

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

R | NJPDES NO.: NJ0004559 (1–8) | WELL PERMIT NO.: 31-26204 (9–16) | SAMPLE DATE YR. MO. DAY: 89 07 07 (17–22) | NJ LAB CERT. NO.: 11118 (23–27) | WQM USE (28)

Monitoring Well No. MW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM (MO. YR.) TO (MO. YR.)

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE
X X X X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		12.03
X X X X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		10.14
X X X X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	24.10
X X X X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	22.21
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01025	
X X X X	Chloride, Dissolved	UG/L as Cl	82295	4H000
X X X X	Chromium, Dissolved	UG/L as Cr	01030	<20
X X X X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74058	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X X X X	Lead, Dissolved	UG/L as Pb	01049	30
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-35

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
S NJ 0 0 0 4 6 6 9	31-26207-	89 07 07	11118	

Monitoring Well No. MW-3

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM ___ MO. ___ YR. TO ___ MO. ___ YR.

SUBMIT WITH SIGNED T-PWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	0.13	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.8	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00948	22	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	158	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		2.0	
X X X X	Perroleum Hydrocarbons	MG/L		<0.50	

VALUE CODING RULES AND REMARK CODES ON REVERSE

15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

ATTACHMENT I-36

DIVISION OF WATER RESOURCES

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

R	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
	NJ0004659	31-26202-3	89 07 07	11118	

Monitoring Well No. MW-4

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM MO. YR. TO MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSIS	UNITS	PARAMETER	VALUE
X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		11.31
X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		8.71
X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	7.55
X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72018	4.95
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01025	
X	Chloride, Dissolved	UG/L as Cl	82895	19000
X	Chromium, Dissolved	UG/L as Cr	01030	<20
X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X	Lead, Dissolved	UG/L as Pb	01049	20
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT E-37

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. MO. DAY	NJ LAB CERT. NO.	WQM USE
S NJ 0004669	31-26202-3	89 07 07	11118	

Monitoring Well No. MW-H

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM ___ (MO. YR.) TO ___ (MO. YR.)

SUBMIT WITH SIGNED T-FWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	0.17	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.8	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	41	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	196	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		1.8	
X X X X	Petroleum Hydrocarbons	MG/L		<0.50	

VALUE CODING RULES AND REMARK CODES ON REVERSE

25 33 34 40 41
42 46 47 53 54
58 59 60 66 67
68 72 73 79 80

ATTACHMENT I-38

DIVISION OF WATER RESOURCES

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS -- MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

	NJPDES NO.	WELL PERMIT NO.	SAMPLE DATE YR. | MO. | DAY	NJ LAB CERT. NO.	WQM USE
R	NJ0004559	31-26203-1	89 07 07	11118	

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM [ ] [ ] MO. YR. TO [ ] [ ] MO. YR.

SUBMIT WITH SIGNED T-VWX-014

SAMPLING MONTHS	ANALYSES	UNITS	PARAMETER	VALUE
X	Elevation of top of well casing with cap off (as specified in well completion report)	feet MSL: to nearest .01		11.04
X	Elevation of original ground level (as specified in well completion report)	feet MSL: to nearest .01		8.31
X	Depth to water table from top of casing prior to sampling with cap off	feet: to nearest .01	82546	7.35
X	Depth to water table from original ground level prior to sampling	feet: to nearest .01	72019	4.62
	Arsenic, Dissolved	UG/L as As	01000	
	Barium, Dissolved	UG/L as Ba	01005	
	Biochemical Oxygen Demand - 5 Day	MG/L	00310	
	Cadmium, Dissolved	UG/L as Cd	01025	
X	Chloride, Dissolved	UG/L as Cl	82295	3600
X	Chromium, Dissolved	UG/L as Cr	01030	<20
X	Chromium, Dissolved, Hexavalent	UG/L as Cr	01220	<20
	Chemical Oxygen Demand (COD), Dissolved	MG/L	00341	
	Coliform Group	N/100 ML	74056	
	Color	Pt - Co	00080	
	Copper, Dissolved	UG/L as Cu	01040	
	Cyanide, Total	MG/L as CN	00720	
	Endrin, Total	UG/L	39390	
	Fluoride, Dissolved	MG/L as F	00950	
	Gross Alpha, Dissolved	Pc/L	01503	
	Gross Beta, Dissolved	Pc/L	03503	
	Hardness, Total as $CaCO_3$	MG/L	00900	
	Iron, Dissolved	UG/L as Fe	01046	
X	Lead, Dissolved	UG/L as Pb	01049	20
	Lindane, Total	UG/L	39782	
	Manganese, Dissolved	UG/L	01056	
	Mercury, Dissolved	UG/L	71890	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-39

QUALITY MANAGEMENT ELEMENT

GROUND WATER ANALYSIS – MONITORING WELL REPORT

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FACILITY NAME: Georgia-Pacific Corp. | SW ID NO.:

LAB NAME: Princeton Testing

S | NJPDES NO.: NJ 0004669 | WELL PERMIT NO.: 31-26203-1 | SAMPLE DATE YR. 89 MO. 07 DAY 07 | NJ LAB CERT. NO.: 11118 | WQM USE

Monitoring Well No. MW-5

THE SCHEDULE INDICATED BELOW IS TO BE OBSERVED FROM (MO. YR.) TO (MO. YR.)

SUBMIT WITH SIGNED T-YWX-014

SAMPLING MONTHS (Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec)	ANALYSIS	UNITS	PARAMETER	VALUE	REMARKS
	Methoxychlor, Total	UG/L	39480		
	Methylene Blue Active Substances	MG/L	38260		
X X X X	Nitrogen, Ammonia, Dissolved $NH_3 + NH_4$ as N	MG/L as N	00608	<0.10	
	Nitrogen, Nitrate, Dissolved	MG/L as N	00618		
	Odor	T.O.N.	00085		
X X X X	pH	Standard Units	00400	6.4	
	Phenols, Total Recoverable	UG/L	32730		
	Radium 226, Dissolved	Pc/L	09503		
	Radium 228, Dissolved	Pc/L	81366		
	Selenium, Dissolved	UG/L	01145		
	Silver, Dissolved	UG/L	01075		
	Sodium, Dissolved	MG/L	00930		
X X X X	Sulfate, Dissolved (as SO_4)	MG/L	00946	29	
X X X X	Total Dissolved Solids (TDS)	PPM	70300	179	
	Total Organic Carbon (TOC)	PPM	00680		
	Total Organic Halogen (TOX)	UG/L	70353		
	Toxaphene	UG/L	39400		
	Turbidity	NTU	00076		
	Zinc, Dissolved	UG/L	01090		
	2, 4–D, Total	UG/L	39370		
	2, 4, 5–TP, Total	UG/L	39045		
X X X X	Oil and Grease	MG/L		1.5	
X X X X	Petroleum Hydrocarbons	MG/L		<0.50	

VALUE CODING RULES AND REMARK CODES ON REVERSE

ATTACHMENT I-40

ATTACHMENT J

Let's protect our earth

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
TRENTON, NEW JERSEY 08625

GEORGE G. McCANN, P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

WATER QUALITY MANAGEMENT

Mr. J.E. Savage, Plant Manager
Georgia-Pacific Corporation
P.O. Box 338
Delair, NJ 08110

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JAN 13 1987

Dear Mr. Savage:

Re: Issuance of NJPDES Permit NJ0004669

Enclosed is the final NJPDES Discharge to Ground Water Permit issued in accordance with the New Jersey Pollutant Discharge Elimination System Regulations, N.J.A.C. 7:14A-1 et seq. Violation of any condition of this permit may subject you to significant penalties.

Within 30 calendar days following your receipt of this permit, under N.J.A.C. 7:14A-8.6 you may submit a request to the Administrator for an adjudicatory hearing to reconsider or contest the conditions of this permit. Regulations regarding the format and requirements for requesting an adjudicatory hearing may be found in N.J.A.C. 7:14A-8.96 through 8.13. The request should be sent to:

Administrator
Water Quality Management Element
Division of Water Resources
CN-029
Trenton, New Jersey 08625

Applications for renewal of this permit must be submitted at least 180 days prior to expiration of this permit pursuant to N.J.A.C. 7:14A-2.1 (f) 5.

The following represents the Department's response to comments submitted to the Department during the public comment period for the draft permit.

1. Georgia-Pacific contends that the placement of monitoring wells in the locations specified in the draft permit may not produce meaningful data because, since the original DGW

ATTACHMENT 1

Let's protect our earth

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CN 402
Trenton, N.J. 08625

PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No.	Issuance Date	Effective Date	Expiration Date
NJ# 0004669	12-16-83 Revised 1/16/87	2-1-84 Revised 3/1/87	1-31-89

Name and Address of Applicant	Location of Activity/Facility	Name and Address of Owner
Georgia-Pacific Corporation 133 Peachtree St., N.E. Atlanta, GA 30303	Georgia-Pacific Corporation Delair, Pennsauken Township Camden County, NJ	SAME AS APPLICANT

Issuing Division	Type of Permit	Statute(s)	Application No.
WATER RESOURCES	NJPDES/DGW Major Modification of NJPDES/DSW	N.J.S.A. 58:10A-1 et.seq.	

This permit requires:

Georgia-Pacific Corporation to monitor actual or potential discharges to ground waters of the State according to the terms and conditions of this NJPDES permit. Discharges are via a lined, aerated treatment lagoon.

This NJPDES/Discharge to Ground Water (DSW) permit is a major modification of an existing NJPDES/Discharge to Surface Water (DSW) permit; the requirements of the DSW portion of this permit are not being modified by this action.

Approved by the Department of Environmental Protection
BY AUTHORITY OF:
GEORGE G. McCANN, P.E., DIRECTOR
DIVISION OF WATER RESOURCES

ARNOLD SCHIFFMAN, ADMINISTRATOR
WATER QUALITY MANAGEMENT

DATE

ATTACHMENT I-2

FACT SHEET
FOR THE NJPDES PERMIT TO DISCHARGE
INTO THE GROUND WATERS OF THE STATE

Name and Address of Applicant:

Georgia-Pacific Corporation
133 Peachtree Street, N.E.
Atlanta, GA 30303

Name and Address of Facility Where Discharge Occurs:

Georgia-Pacific Corporation
Delair, Pennsauken Township
Camden County, New Jersey

Receiving Water:

Ground waters of the State. Discharge is to the Pleistocene Pennsauken Formation and the Raritan-Magothy Aquifer of Cretaceous age.

Description of Facility:

The facility manufactures gray and ivory paperboard from recycled fibers. Process wastewater and stormwater runoff is discharged to a primary clarifier after screening. Approximately 95% of the effluent from the primary clarifier is then recycled back to the plant. The remaining effluent is discharged to a lined, aerated stabilization lagoon, then to a secondary clarifier, with ultimate discharge to the Delaware River. A second lagoon on the property has deteriorated and is not in use at present. Sludge from both clarifiers is recyled back to the pulper. Georgia-Pacific plans to install an above-ground aeration tank on the site of the second lagoon and use this as the primary treatment cell. The lined lagoon will then be reduced in size and used for stormwater surge overflow.

Description of Discharge:

An average .18 MGD of secondary treated process wastewater and stormwater runoff is discharged to a 2 million gallon aerated lagoon with a synthetic liner. When the above-ground tank is installed for use as the primary treatment cell, flow to this lagoon will consist of stormwater surges from the aeration tank.

Permit Conditions:

According to the attached General and Specific Conditions.

ATTACHMENT J-3

ATTACHMENT K

T-001

STATE OF NEW JERSEY
Department of Environmental Protection
Water Analysis

BACT. LAB NO. _____
DATE REC'D. _____
BOTTLE NO. 41083
DATE REC'D. _____
STORET ENT. _____ READ _____

TYPE OR PRINT BALLPOINT PEN DRBC

FACILITY Delair	COUNTY Camden	STREAM Delaware River
REPRESENTATIVE Gia-Pacific	LOCATION De Rousse Rd.	
	TITLE	COLL NAME TONY ALTIERI 208

OUTFALL DSN001, EFFLUENT 24HR. COMP. 1QD
TEMP & pH GRAB

Station Identification Number: NJ0004669 | YR. MO. DAY: 860311 | HOUR: 1210 | (1) Sample No.: P8

FIELD ANALYSIS

°C	(2) P00010	14°
Winkler	(3) P00300	
Probe	(4) P00299	
(Field)	(5) P00400	6x7
ft.	(6) P00003	
CFS	(7) P00061	
ft.	(8) P00065	
Cond. @25°C	(9) P00095	
% /00	(10) P00480	
Stage	(11) P70211	

CONDITION CODES

Other Conditions	(12) P00041	
Severity	(13) P01351	
____ Severity	(14) P013__	
____ Severity	(15) P013__	

NUTRIENTS LEVEL ☐ HIGH ☐ LOW

NH_3 - N	(16) P00615	
NO_2 + NO_3 - N	(17) P00630	
NO_3 - N	(18) P00610	
Kjeldahl N	(19) P00625	
P	☐ (20) P70507	
PO_4	☐ (21) P00660	
Phosphorus - P	☐ (22) P00665	
PO_4	☐ (23) P00650	

BACTERIOLOGICAL – DILUTIONS (REQUESTED)

	10	1	-1 10	-2 10	-3 10	-4 10	-5 10	-6 10
Fecal Coliform / Total Coliform								
Fecal Streptococci								

Fecal coli #100 ml ☐ MPN (24) P31615 ☐ MF (25) P31613
☐ Fecal Strept MPN/100ml (26) P31677
☐ Tot coli MPN/100 ml (27) P31505

BIOCHEMICAL OXYGEN DEMAND

INITIAL D.O. (lab.) 0.1 SAMPLE
SEED YES ☐ NO ☐

CONC. %	1	2	5
BOD	+	–	–

☑ BOD 5-DAY (28) P310 6-DAY (29) P312 462

☐ COD (30) P340
☐ TOC (31) P00680

☐ Color Pt - Cou (32) P00080
☐ Turbidity (33) P00076
☑ Suspended Solids (34) P00530 150
☐ Suspended Solids Ash (35) P00540
☐ Tot. Solids (36) P00500
☐ Tot. Solids - Ash (37) P00510
☐ Tot. Dissolved Solids (TDS) (38) P70300

☐ pH (LAB)	(39) P00403	
☐ Alkalinity as $CaCO_3$	(40) P00410	
☐ Min. Acidity as $CaCO_3$	(41) P00436	
☐ Chloride	(42) P00940	
☐ MBAS	(43) P38260	
☐ Phenols	(44) P32730	
☐ Hardness - tot as $CaCO_3$	(45) P00900	
☐ Sulfate	(46) P00945	
☐ Oil & Grease	(47) P00555	
☐ Petroleum Hydrocarbons	(48) P45501	
☐ Cyanide	(49) P00720	

☐ As - tot ug/l	(50) P01002	
☐ Cd - tot ug/l	(51) P01027	
☐ Cr - tot ug/l	(52) P01034	
☐ Cu - tot ug/l	(53) P01042	
☐ Fe - tot ug/l	(54) P01045	
☐ Hg - tot ug/l	(55) P71900	
☐ Mn - tot ug/l	(56) P01055	
☐ Ni - tot ug/l	(57) P01067	
☑ Pb - tot ug/l	(58) P01051	13
☑ Zn - tot ug/l	(59) P01092	89

ADDITIONAL ANALYSIS

☑ CBOD 20	P	2985 L
☐ _____	P	
☐ _____	P	
☐ Flow	P	0.254 MGD
☐ _____	P	

REPORT SUBMITTED

RESULTS mg/l unless otherwise noted

Chemist Review _____ ADD 25 1986

Part 1 (White) - Water Quality Inventory Copy
Part 2 (Canary) - Laboratory Copy
Part 3 (Pink) - Laboratory Copy
Part 4 (Goldenrod) - Field Copy

NJDOH ENVIRONMENTAL CHEMISTRY LABORATORY

ATTACHMENT #1

Form VST-001
7/81

STATE OF NEW JERSEY
Department of Environmental Protection
Water Analysis

PLEASE TYPE OR PRINT WITH BALLPOINT PEN DRBC

BACT. LAB NO. _____
DATE REC'D. _____
BOTTLE NO. 41084
DATE REC'D. _____
STORET ENT. _____ READ _____

MUNICIPALITY DELAIR	COUNTY CAMDEN	SOURCE DELAWARE RIVER
FACILITY GEORGIA-PACIFIC	LOCATION DeROUSSE Rd	
REPRESENTATIVE	TITLE	COLL NAME TONY ALTIERI 208
REMARKS GRAB, RAW TAKEN AT NO. #1 SUMP		

1AD

Station Identification Number	YR. MO. DAY	HOUR	Sample No.
SC. NJ0004669	860311	1310. (1)	PB.

FIELD ANALYSIS

☑ Water Temp. °C.	(2) P00010,	30°
☐ D.O. - Winkler	(3) P00300,	
☐ D.O. - Probe	(4) P00299,	
☑ pH (Field)	(5) P00400,	6.8
☐ Sample Depth-ft.	(6) P00003,	
☐ Stream Flow-CFS	(7) P00061,	
☐ Gage Height-ft.	(8) P00065,	
☐ Spec. Cond. @ 25°C	(9) P00095,	
☐ Salinity °/00	(10) P00480,	
☐ Tide Stage	(11) P70211,	

CONDITION CODES

☐ Weather Conditions	(12) P00041,	
☐ Flow Severity	(13) P01351,	
☐ _____ Severity	(14) P013__,	
☐ _____ Severity	(15) P013__,	

NUTRIENTS

LEVEL ☐ HIGH ☐ LOW

☐ NO_2 - N	(16) P00615,	
☐ $NO_2 + NO_3$ - N	(17) P00630,	
☐ NH_3 - N	(18) P00610,	
☐ Tot. Kjeldahl N	(19) P00625,	
Ortho - PO_4 as P ☐	(20) P70507,	
PO_4 ☐	(21) P00660,	
Phosphorus - tot as P ☐	(22) P00665,	
PO_4 ☐	(23) P00650,	

BACTERIOLOGICAL – DILUTIONS (REQUESTED)

	10	1	-1 10	-2 10	-3 10	-4 10	-5 10	-6 10
Fecal Coliform / Total Coliform								
Fecal Streptococci								

Fecal coli #100 ml ☐ MPN	(24) P31615,	
☐ MF	(25) P31613,	
☐ Fecal Strept MPN/100ml	(26) P31677,	
☐ Tot coli MPN/100 ml	(27) P31505,	

BIOCHEMICAL OXYGEN DEMAND

INITIAL D.O. (lab.) 0.1 SAMPLE

SEED YES ☐ NO ☐

CONC. %	.2	.5	1.0
BOD	—	+	—

☑ BOD	5-DAY (28) P310,	1005
	6-DAY (29) P312,	
☐ COD	(30) P340,	
☐ TOC	(31) P00680,	
☐ Color Pt - Co	(32) P00080,	
☐ Turbidity	(33) P00076,	
☑ Suspended Solids	(34) P00530,	3812
☐ Suspended Solids Ash	(35) P00540,	
☐ Tot. Solids	(36) P00500,	
☐ Tot. Solids - Ash	(37) P00510,	
☐ Tot. Dissolved Solids (TDS)	(38) P70300,	

☐ pH (LAB)	(39) P00403,	
☐ Alkalinity as $CaCO_3$	(40) P00410,	
☐ Min. Acidity as $CaCO_3$	(41) P00436,	
☐ Chloride	(42) P00940,	
☐ MBAS	(43) P38260,	
☐ Phenols	(44) P32730,	
☐ Hardness - tot as $CaCO_3$	(45) P00900,	
☐ Sulfate	(46) P00945,	
☐ Oil & Grease	(47) P00556,	
☐ Petroleum Hydrocarbons	(48) P45501,	
☐ Cyanide	(49) P00720,	
☐ As - tot ug/l	(50) P01002,	
☐ Cd - tot ug/l	(51) P01027,	
☐ Cr - tot ug/l	(52) P01034,	
☐ Cu - tot ug/l	(53) P01042,	
☐ Fe - tot ug/l	(54) P01045,	
☐ Hg - tot ug/l	(55) P71900,	
☐ Mn - tot ug/l	(56) P01055,	
☐ Ni - tot ug/l	(57) P01067,	
☑ Pb - tot ug/l	(58) P01051,	217
☑ Zn - tot ug/l	(59) P01092,	1795

ADDITIONAL ANALYSIS

☑ CBOD 1c	P	1400
☐ _____	P	
☐ _____	P	
☐ _____	P	
☐ _____	P	

REPORT SUBMITTED

RESULTS mg/l unless otherwise noted

APR 25 1986

Chemist Review _____

NJDOH ENVIRONMENTAL CHEMISTRY LABORATORY

ATTACHMENT K-1

Part 1 (White) - Water Quality Inventory Copy
Part 2 (Canary) - Laboratory Copy
Part 3 (Pink) - Laboratory Copy
Part 4 (Goldenrod) - Field Samplers Copy

Form VST-001
7/81

STATE OF NEW JERSEY
Department of Environmental Protection
Water Analysis

12

PLEASE TYPE OR PRINT WITH BALLPOINT PEN DRBC

MUNICIPALITY DeLAIR	COUNTY CAMDEN	STREAM DELAWARE RIVER
FACILITY GEORGIA-PACIFIC	LOCATION DEROUSSE RD.	
REPRESENTATIVE	TITLE	COLL NAME TONY ALTIERI 208
REMARKS RIVER WATER. INTAKE 24 Hr. Comp. TEMP. & pH GRAB 1		1QD

BACT. LAB NO. ____
DATE REC'D. ____
BOTTLE NO. 41085
DATE REC'D. ____
STORET ENT. ____ READ ____

Station Identification Number	YR. MO. DAY	HOUR	Sample No.
SC. NJ0004669 .	860311	1130.	(1) PB.

FIELD ANALYSIS

☑ Water Temp. °C.	(2) P00010,	5½ C
☐ D.O. - Winkler	(3) P00300,	
☐ D.O. - Probe	(4) P00299,	
☑ pH (Field)	(5) P00400,	7.1
☐ Sample Depth-ft.	(6) P00003,	
☐ Stream Flow-CFS	(7) P00061,	
☐ Gage Height-ft.	(8) P00065,	
☐ Spec. Cond. @ 25 °C	(9) P00095,	
☐ Salinity °/00	(10) P00480,	
☐ Tide Stage	(11) P70211,	

CONDITION CODES

☐ Weather Conditions	(12) P00041,	
☐ Flow Severity	(13) P01351,	
☐ _____ Severity	(14) P013__,	
☐ _____ Severity	(15) P013__,	

NUTRIENTS

LEVEL ☐ HIGH ☐ LOW

☐ NO_2 - N	(16) P00615,	
☐ $NO_2 + NO_3$ - N	(17) P00630,	
☐ NH_3 - N	(18) P00610,	
☐ Tot. Kjeldahl N	(19) P00625,	
Ortho - PO_4 as P ☐	(20) P70507,	
PO_4 ☐	(21) P00660,	
Phosphorus - tot as P ☐	(22) P00665,	
PO_4 ☐	(23) P00650,	

BACTERIOLOGICAL – DILUTIONS (REQUESTED)

	10	1	-1 10	-2 10	-3 10	-4 10	-5 10	-6 10
Fecal Coliform / Total Coliform								
Fecal Streptococci								

Fecal coli #100 ml	☐ MPN (24) P31615, ☐ MF (25) P31613,	
☐ Fecal Strept MPN/100ml	(26) P31677,	
☐ Tot coli MPN/100 ml	(27) P31505,	

BIOCHEMICAL OXYGEN DEMAND

INITIAL D.O. (lab.) 8.2 SAMPLE

SEED YES ☐ NO ☐

CONC. %	25	50	75
BOD ___	—	—	—

☑ BOD	5-DAY (28) P310,	3.15
	6-DAY (29) P312,	
☐ COD	(30) P340,	
☐ TOC	(31) P00680,	

☐ Color Pt - Co	(32) P00080,	
☐ Turbidity	(33) P00076,	
☑ Suspended Solids	(34) P00530,	20
☐ Suspended Solids Ash	(35) P00540,	
☐ Tot. Solids	(36) P00500,	
☐ Tot. Solids - Ash	(37) P00510,	
☐ Tot. Dissolved Solids (TOS)	(38) P70300,	

☐ pH (LAB)	(39) P00403,	
☐ Alkalinity as $CaCO_3$	(40) P00410,	
☐ Min. Acidity as $CaCO_3$	(41) P00436,	
☐ Chloride	(42) P00940,	
☐ MBAS	(43) P38260,	
☐ Phenols	(44) P32730,	
☐ Hardness - tot as $CaCO_3$	(45) P00900,	
☐ Sulfate	(46) P00945,	
☐ Oil & Grease	(47) P00556,	
☐ Petroleum Hydrocarbons	(48) P45501,	
☐ Cyanide	(49) P00720,	

☐ As - tot ug/l	(50) P01002,	
☐ Cd - tot ug/l	(51) P01027,	
☐ Cr - tot ug/l	(52) P01034,	
☐ Cu - tot ug/l	(53) P01042,	
☐ Fe - tot ug/l	(54) P01045,	
☐ Hg - tot ug/l	(55) P71900,	
☐ Mn - tot ug/l	(56) P01055,	
☐ Ni - tot ug/l	(57) P01067,	
☑ Pb - tot ug/l	(58) P01051,	26
☑ Zn - tot ug/l	(59) P01092,	97

ADDITIONAL ANALYSIS

☐ $CBOD_{20}$	P ____,	C.I.R
☐ _____	P ____,	
☐ _____	P ____,	
☐ _____	P ____,	
☐ REPORT SUBMITTED		

RESULTS mg/l unless otherwise noted

APR 25 1986

Chemist Review _____

NJDOH ENVIRONMENTAL CHEMISTRY LABORATORY

Part 1 (White) - Water Quality Inventory Copy
Part 2 (Canary) - Laboratory Copy
Part 3 (Pink) - Laboratory Copy
Part 4 (Goldenrod) - Field Copy

ATTACHMENT 2-3

Form T#/WX-013
Rev. 3/82

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

GEORGE CROUSE
(215) 825-3000

INDUSTRIAL FACILITY WASTEWATER REPORT

GEORGIA PACIFIC CORP

NJPDES NO. NJ 0 1 0 1 4 6 6 9 (1–7)

DISCHARGE ID. PENNSAUKEN, CAMDEN COUNTY J 0 1 1 (8–10)

SAMPLING ~~REPORTING~~ PERIOD
MO. YR. 0 7 8 7 (11–14) THRU MO. YR. (15–18)

3 (19)

NJDEP USE (20)

NEW JERSEY LABORATORY CERT. NO. B (21–25)

		PARAMETER DESCRIPTION	INFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (28–35)	EFFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (36–42)	EFFLUENT CONC. MILLIGRAMS PER LITER MAXIMUM (43–49)	EFFLUENT LOADING KILOGRAMS PER DAY AVERAGE (50–56)	EFFLUENT LOADING KILOGRAMS PER DAY MAXIMUM (57–63)
AS REQUIRED BY PERMIT	1 A	BOD_5					
	1 B	COD					
✓	1 C	Total Dissolved Solids	774.				
	1 D	Total Suspended Solids					
✓	1 E	Chlorine					
	1 F	Total Organic Carbon					
	1 G	Total Dissolved Carbon					
	1 H	Total Nitrogen					
✓	1 I	Ammonia Nitrogen	6.1				
	1 J	Nitrate Nitrogen					
	1 K	Total Phosphorus					
✓	1 L	Oil & Grease	30.				
✓	1 M	Petroleum Hydrocarbons	13.2				
	1 N	Aromatic Hydrocarbons					
	1 O	Chlorinated Hydrocarbons					
	1 P	Phenols (Total)					
	1 Q	Cyanide (Total)					
	1 R	Aluminum					
	1 S	Arsenic					
	1 T	Cadmium					
✓	1 U	Chromium (Total)	<.02				
	1 V	Cobalt					
	1 W	Copper					
✓	1 X	Lead	.014				
	1 Y	Mercury					
	1 Z	Nickel					
	2 A	Silver					
	2 B	Zinc					
✓		Sulfate	98.				
✓		pH (SU)	6.95				
		Chloride	35.				

WHERE'S CHLORINE PATH?

DISCHARGER NAME Georgia-Pacific Corp.

LAB NAME Princeton Testing

ATTACHMENT K-4

Form T-WX-013 A
5/82

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

INDUSTRIAL FACILITY WASTEWATER REPORT

NJPDES NO.	DISCHARGE ID.	SAMPLING REPORTING PERIOD MO. YR.			NJDEP USE	NEW JERSEY LABORATORY CERT. NO.
		MO. YR.	THRU	MO. YR.		
0 0 0 4 6 6 9 (1–7)	J 0 1 (8–10)	0 7 8 7 (11–14)		(15–18)	3 (19)	(20)	B (21–25)

PARAMETER DESCRIPTION (26–27)	INFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (28–35)	EFFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (36–42)	EFFLUENT CONC. MILLIGRAMS PER LITER MAXIMUM (43–49)	EFFLUENT LOADING KILOGRAMS PER DAY AVERAGE (50–56)	EFFLUENT LOADING KILOGRAMS PER DAY MAXIMUM (57–63)
4-Chlorophenyl Phenyl Ether	<0.01 10				
Chrysene	<0.01 10				
Dibenz (a,H) anthracene	<0.01 10				
1,2-Dichlorobenzene	<0.01 10				
1,3-Dichlorobenzene	<0.01 10				
1,4-Dichlorobenzene	<0.01 10				
3,3'-Dichlorobenzidine (DETECTION LIMIT 20 ppb) T,BN	<0.02 10				
Diethyl Phthalate	<0.01 10				
Dimethyl Phthalate	<0.01 10				
Di-n-butyl Phthalate	<0.01 10				
2,4-Dinitrotoluene	<0.01 10				
2,6-Dinitrotoluene	<0.01 10				
Di-n-octyl Phthalate	<0.01 10				
1,2-Diphenylhydrazine	X				
Toxaphene	X				
Fluoranthene	<0.01 10				
Fluorene	<0.01 10				
Hexachlorobenzene	<0.01 10				
Hexachlorobutadiene	<0.01 10				
Hexachlorocyclopentadiene	<0.01 10				
Hexachloroethane	<0.01 10				
Indeno(1,2,3-cd)pyrene	<0.01 10				
Isophorone	<0.01 10				
Naphthalene	<0.01 10				
Nitrobenzene	<0.01 10				
N-Nitrosodimethylamine	<0.01 10				
N-Nitrosodi-n-propylamine	<0.01 10				
2-Chlorophenol	<0.01 10				
2,4-Dichlorophenol	<0.01 10				
2,4-Dimethylphenol	<0.01 10				
4,6-Dinitro-o-cresol ?	<0.05 10				

DETECTION LIMIT

DISCHARGER NAME Georgia-Pacific Corp.

LAB NAME Princeton Testing

ATTACHMENT K-5

Form T-VWX-013 A
5/82

NEW J...SEY DEPARTMENT OF ENVIRONMENTAL ... TECTION
DIVISION OF WATER RESOURCES

INDUSTRIAL FACILITY WASTEWATER REPORT

NJPDES NO.	DISCHARGE ID.	SAMPLING ~~REPORTING~~ PERIOD MO. YR.		MO. YR.		NJDEP USE	NEW JERSEY LABORATORY CERT. NO.
0 0 0 9 4 6 0 9 (1–7)	J 0 1 1 (8–10)	0 7 8 7 (11–14)	THRU	(15–18)	3 (19)	(20)	(21–25)

PARAMETER DESCRIPTION	INFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (28–35)	EFFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (36–42)	EFFLUENT CONC. MILLIGRAMS PER LITER MAXIMUM (43–49)	EFFLUENT LOADING KILOGRAMS PER DAY AVERAGE (50–56)	EFFLUENT LOADING KILOGRAMS PER DAY MAXIMUM (57–63)
4,6-Dinitrophenol A	< 0.050				
2-Nitrophenol 5 PPB	< 0.010				
4-Nitrophenol BC A	< 0.050				
4-Chloro-m-cresol	< 0.010				
Pentachlorophenol E	< 0.050				
Phenol BC 5 PPB	< 0.010				
2,4,6-Trichlorophenol	< 0.010				
Acenaphthene	< 0.010				
Acenaphthylene	< 0.010				
Anthracene	< 0.010				
Benzidine BN A.E. 5 PPB	< 0.010				
Benz(a)anthracene	< 0.010				
Benzo(a)pyrene	< 0.010				
3,4-Benzofluoranthane	< 0.010				
Benzo(ghi)perylene	< 0.010				
Benzo(k)fluoranthene	< 0.010				
Bis(2-chloroethoxy)methane	< 0.010				
Bis(2-chloroethyl) Ether	< 0.010				
Bis(2-Chloroisopropyl) Ether	< 0.010				
Bis(2-ethylhexyl) Phthalate	< 0.010				
4-Bromophenyl Phenyl Ether	< 0.010				
Butylbenzyl Phthalate	< 0.010				
2-Chloronaphthalene	< 0.010				
Phenanthrene	< 0.010				
Pyrene	< 0.010				
1,2,4-Trichlorobenzene	< 0.010				

DISCHARGER NAME Georgia-Pacific Corp.

LAB NAME Princeton Testing

ATTACHMENT K-6

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

INDUSTRIAL FACILITY WASTEWATER REPORT

NJPDES NO.	DISCHARGE ID.	~~REPORTING PERIOD~~ SAMPLING MO. YR.		MO. YR.		NJDEP USE	NEW JERSEY LABORATORY CERT. NO.
0 0 0 4 6 6 9	J 0 1	0 7 8 7	THRU				
1 7	8 10	11 14		15 18	19	20	21 25

PARAMETER DESCRIPTION	INFLUENT CONC. MILLIGRAMS PER LITER AVERAGE	EFFLUENT CONC. MILLIGRAMS PER LITER AVERAGE	EFFLUENT CONC. MILLIGRAMS PER LITER MAXIMUM	EFFLUENT LOADING KILOGRAMS PER DAY AVERAGE	EFFLUENT LOADING KILOGRAMS PER DAY MAXIMUM
26 27	28 35	36 42	43 49	50 56	57 63
Acrylonitrile DETECTION LIMIT TOO HIGH ?	<.01510				
Benzene	<.01011				
Bromoform	<.01011				
Carbon Tetrachloride	<.01011				
Chlorobenzene	<.01011				
Chlorodibromoethane	<.01011				
Chloroform	<.01011				
1, 1 - Dichloroethane	<.01011				
1, 2 - Dichloroethane	<.01011				
1, 1 - Dichloroethylene	<.01011				
1, 2 - Dichloropropane	<.01011				
Ethylbenzene	<.01011				
Methylene Chloride	<.01011				
1, 1, 2, 2 - Tetrachloroethane	<.01011				
Tetrachloroethylene	<.01011				
Toluene	<.01011				
1, 1, 1 - Trichloroethane	<.01011				
1, 1, 2 - Trichloroethane	<.01011				
Trichloroethylene	<.01011				
Vinyl Chloride	<.01012				
Acrolein DETECTION VO ?	<.01510				
Chloroethane	<.01012				
2 - Chloroethylvinyl Ether	<.01012				
Dichlorobromomethane	<.01011				
~~1, 3~~ Dichloropropylene	<.01011				
Methyl Bromide	<.01012				
Methyl Chloride	<.01011				
1, 2 - trans - Dichloroethylene	<.01011				
1, 2 Dichlorobenzene	<.01110				
1, 3 Dichlorobenzene	<.01110				
1, 4 Dichlorobenzene	<.01110				

AS REQUIRED BY PERMIT

DISCHARGER NAME Georgia-Pacific Corp.

LAB NAME Princeton Testing

ATTACHMENT K-7

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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

INDUSTRIAL FACILITY WASTEWATER REPORT

NJPDES NO.	DISCHARGE ID.	SAMPLING ~~REPORTING~~ PERIOD MO. YR.		MO. YR.		NJDEP USE	NEW JERSEY LABORATORY CERT. NO.
0 10 10 14 16 16 9	J 10 1	0 4 8 8	THRU		3		1 1 1 1 1
1 7	8 10	11 14		15 18	19	20	21 25

26	27	PARAMETER DESCRIPTION	INFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (28–35)	EFFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (36–42)	EFFLUENT CONC. MILLIGRAMS PER LITER MAXIMUM (43–49)	EFFLUENT LOADING KILOGRAMS PER DAY AVERAGE (50–56)	EFFLUENT LOADING KILOGRAMS PER DAY MAXIMUM (57–63)
1	A	BOD_5					
1	B	COD					
X	1 C	Total Dissolved Solids	1660.				
1	D	Total Suspended Solids					
X	1 E	Chlorine					
1	F	Total Organic Carbon					
1	G	Total Dissolved Carbon					
1	H	Total Nitrogen					
X	1 I	Ammonia Nitrogen					
1	J	Nitrate Nitrogen					
1	K	Total Phosphorus					
X	1 L	Oil & Grease	11.0				
1	M	Petroleum Hydrocarbons					
1	N	Aromatic Hydrocarbons					
1	O	Chlorinated Hydrocarbons					
1	P	Phenols (Total)					
1	Q	Cyanide (Total)					
1	R	Aluminum					
1	S	Arsenic					
1	T	Cadmium					
X	1 U	Chromium (Total)	<.02				
1	V	Cobalt					
1	W	Copper					
X	1 X	Lead	<.02				
1	Y	Mercury					
1	Z	Nickel					
2	A	Silver					
2	B	Zinc					
X		Sulfate	106.				
X		pH (SU)	7.0				
X		Chloride	159.				

AS REQUIRED BY PERMIT

DISCHARGER NAME Georgia-Pacific Corp.

LAB NAME Princeton Testing Labs

* Sample container broken in lab.

ATTACHMENT IC-8

Form T-VWX-013
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NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

INDUSTRIAL FACILITY WASTEWATER REPORT

NJPDES NO. 0 1 0 1 4 6 6 9 (1–7)

DISCHARGE ID. J 0 1 1 (8–10)

Sampling REPORTING PERIOD MO. YR. 1 1 9 8 8 (11–14) THRU MO. YR. 1 2 8 8 (15–18)

3 (19)

NJDEP USE (20)

NEW JERSEY LABORATORY CERT. NO. (21–25)

26	27	PARAMETER DESCRIPTION	INFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (28–35)	EFFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (36–42)	EFFLUENT CONC. MILLIGRAMS PER LITER MAXIMUM (43–49)	EFFLUENT LOADING KILOGRAMS PER DAY AVERAGE (50–56)	EFFLUENT LOADING KILOGRAMS PER DAY MAXIMUM (57–63)
1	A	BOD_5					
1	B	COD					
X	1 C	Total Dissolved Solids	1126.				
	1 D	Total Suspended Solids					
X	1 E	Chlorine					
	1 F	Total Organic Carbon					
	1 G	Total Dissolved Carbon					
	1 H	Total Nitrogen					
X	1 I	Ammonia Nitrogen	0.1				
	1 J	Nitrate Nitrogen					
	1 K	Total Phosphorus					
X	1 L	Oil & Grease	23.1				
	1 M	Petroleum Hydrocarbons	7.7				
	1 N	Aromatic Hydrocarbons					
	1 O	Chlorinated Hydrocarbons					
	1 P	Phenols (Total)					
	1 Q	Cyanide (Total)					
	1 R	Aluminum					
	1 S	Arsenic					
	1 T	Cadmium					
X	1 U	Chromium (Total)	<0.02				
	1 V	Cobalt					
	1 W	Copper					
X	1 X	Lead	<0.02				
	1 Y	Mercury					
	1 Z	Nickel					
	2 A	Silver					
	2 B	Zinc					
X		Sulfare	1108.				

AS REQUIRED BY PERMIT

DISCHARGER NAME Georgia-Pacific Corp.

LAB NAME Princeton Testing

ATTACHMENT K-9

Form T-VWX-013
Rev. 3/82

NEW JE . DEPARTMENT OF ENVIRONMENTAL PR ION
DIVISION OF WATER RESOURCES

INDUSTRIAL FACILITY WASTEWATER REPORT

NJPDES NO.	DISCHARGE ID.	SAMPLING ~~REPORTING~~ PERIOD MO. YR.		NJDEP USE	NEW JERSEY LABORATORY CERT. NO.
0 0 0 4 6 6 9 (1–7)	J 0 1 (8–10)	0 7 8 9 (11–14)	THRU (15–18)	3 (19)	(20)	I I I I B (21–25)

GP-GRAB

		PARAMETER DESCRIPTION	INFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (28–35)	EFFLUENT CONC. MILLIGRAMS PER LITER AVERAGE (36–42)	EFFLUENT CONC. MILLIGRAMS PER LITER MAXIMUM (43–49)	EFFLUENT LOADING KILOGRAMS PER DAY AVERAGE (50–56)	EFFLUENT LOADING KILOGRAMS PER DAY MAXIMUM (57–63)
	1 A	BOD_5					
	1 B	COD					
X	1 C	Total Dissolved Solids	368.				
	1 D	Total Suspended Solids					
	1 E	Chlorine					
	1 F	Total Organic Carbon					
	1 G	Total Dissolved Carbon					
	1 H	Total Nitrogen					
X	1 I	Ammonia Nitrogen	0.41				
	1 J	Nitrate Nitrogen					
	1 K	Total Phosphorus					
X	1 L	Oil & Grease	38.				
X	1 M	Petroleum Hydrocarbons	18.5				
	1 N	Aromatic Hydrocarbons					
	1 O	Chlorinated Hydrocarbons					
	1 P	Phenols (Total)					
	1 Q	Cyanide (Total)					
	1 R	Aluminum					
	1 S	Arsenic					
	1 T	Cadmium					
X	1 U	Chromium (Total)	0.11				
	1 V	Cobalt					
	1 W	Copper					
X	1 X	Lead	0.18				
	1 Y	Mercury					
	1 Z	Nickel					
	2 A	Silver					
	2 B	Zinc					
X		Sulfate	30.				
		pH (su)	7.3				

AS REQUIRED BY PERMIT

DISCHARGER NAME Georgia-Pacific Corp. LAB NAME Princeton Testing

ATTACHMENT K-14

DELAWARE RIVER BASIN COMMISSION
P. O. BOX 7360
WEST TRENTON, NEW JERSEY 08628

(609) 883-9500

GERALD M. HANSLER
EXECUTIVE DIRECTOR

HEADQUARTERS LOCATION
25 STATE POLICE DRIVE
WEST TRENTON, N. J.

March 9, 1990

Mr. D. L. Glass, Vice President
Georgia Pacific Corporation
P.O. Box 338
Delair, NJ 08110

Dear Sir:

The Delaware River Basin Commission; the States of New Jersey, Pennsylvania and Delaware; and the U.S. Environmental Protection Agency are currently involved in a cooperative effort to develop policies and procedures to control the discharge of toxic substances which could impact human and aquatic life in the tidal portion of the Delaware River from the head of the tide at Trenton, NJ to Delaware Bay (River Miles 133.4 to 48.2). These policies and procedures will be used to develop effluent limitations and wasteload allocations for point sources, and will ensure that numerical and narrative water quality standards for toxic pollutants are met. In order to develop technically-sound effluent limitations for toxic pollutants, additional data is needed on the discharges from your facility. All industrial and municipal facilities located on the mainstem of the Delaware River and its tidal tributaries south of Trenton, NJ will also be evaluated as part of this effort.

You are therefore required, in accordance with the authority provided in Section 4.30.8 C. and D. of the Water Quality Regulations of the Delaware River Basin Commission, to conduct the monitoring described below at DSN 001 and submit the results, raw data and the requested information within the time limits specified. This information is requested pursuant to Section 3.10.4 D. 1. - Effluent Quality Requirements of our Regulations.

Chemical Monitoring

A. Three samples shall be collected over a three month period at a frequency of approximately once every thirty (30) days, and analyzed for priority toxic pollutants including volatile organic compounds, non-volatile organic compounds, organochlorine pesticides & PCBs, and 12 heavy metals (see Attachment 1 for methods). Samples shall be collected during periods representative of normal facility operations. Sample collection and facility operating data at the time of collection shall be reported along with the results of the sample analyses. Samples for volatile organic compounds shall consist of four grab samples collected six hours apart if the discharge is continuous, and one grab sample every six hours if the discharge is non-continuous. Samples for non-volatile organic compounds, metals and pesticides/PCBs shall consist of a 24 hour composite sample if the discharge is continuous; and if the discharge is non-continuous, the composite sample will consist of aliquots collected over the duration of the discharge (see Attachment 1 for specific requirements). Appropriate quality

ATTACHMENT E-14

assurance/quality control procedures including check samples, spikes and duplicate analyses shall be used (see Attachment 1 for specific requirements) and reported with the results of the sample analyses.

B. The first sampling event shall commence within 30 days of receipt of this letter. The results of each analysis shall be reported within 60 days of each sample collection. Based upon a review of the quality assurance data submitted with the analytical results, additional monitoring may be required if the quality of the data is determined to be deficient.

Whole Effluent Toxicity Monitoring

A. The chronic toxicity of the discharge from DSN 001 shall be determined twice during the three month period of chemical monitoring. The two tests shall be separated by a minimum of 30 days. Each test will determine the effect of the discharge during a seven (7) day test period on the survival, reproduction or growth of both the fathead minnow, Pimephales promelas, and the cladoceran, Ceriodaphnia. Effluent samples utilized in the testing shall consist of 24 hour composite samples or, if the discharge is non-continuous, samples composited over the duration of the discharge. Samples shall be collected on days 0, 2, and 4 of each test period.

B. All test procedures, data analysis and quality assurance/quality control procedures, unless otherwise specified in Attachment 1, shall be in accordance with EPA Methods 1000.0 and 1002.0 as contained in Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, EPA 600/4-89/001, March 1989.

C. The NOEC (No Observable Effect Concentration) for each test, test species and endpoint shall be reported, along with the raw survival, growth and reproduction data. The 48 and 96 hour LC50, if calculable, shall be reported for each test and test species. Physical/chemical data recorded during each test as well as information on the effluent samples collected during each test shall also be reported.

D. The first sampling event shall commence within 30 days of receipt of this letter. The results of each analysis shall be reported within 30 days of the completion of each test. Based upon a review of the quality assurance data submitted with the toxicity testing results, additional monitoring may be required if the response of control organisms or the physical/chemical measurements do not meet the requirements of the respective method.

ATTACHMENT 1(-12

Mr. D. L. Glass, Vice President

Outfall Structure Information

A. Information regarding each of the discharge outfalls sampled shall be provided. The information shall include, at a minimum, the following items:

1. An estimate of the effluent discharge velocity based upon the diameter of the discharge pipe (or wetted perimeter of the pipe) and the flowrate,
2. Average monthly and permitted flow rate,
3. Orientation of discharge relative to the receiving water (e.g., elevated sluiceway, surface, submerged, single or multiport),
4. Distance to shore from point of discharge,
5. Discharge length scale (i.e., square root of the cross-sectional area of any discharge outlet),
6. Water depth at the point of discharge,
7. Width of receiving water body at the point of discharge, and
8. A diagram or drawing of the outfall structure.

All monitoring data shall be submitted within six months of receipt of this letter to:

Delaware River Basin Commission
P.O. Box 7360
West Trenton, NJ 08628

New Jersey Department of Environmental Protection
Wastewater Facilities Management Element
P.O. Box CN-029
Trenton, NJ 08625

Your cooperation will be very much appreciated. Questions concerning this matter should be directed to Mr. Thomas J. Fikslin at (609) 883-9500.

Sincerely,

Gerald M. Hansler

Attachment

cc: NJDEP, Division of Water Resources

ATTACHMENT K-13

ATTACHMENT 1
SAMPLING, ANALYTICAL AND QUALITY ASSURANCE PROCEDURES

Sample Collection

Composite samples shall consist of a minimum of 24 sample aliquots collected manually or automatically at periodic intervals during the operating hours of the facility. The sample must be composited proportional to the flow, if the flow of the facility varies more than 15% during the sampling period. If the flow of the facility does not vary more than 15%, the sample may be time-composited. Documentation that the flow rate of the discharge met the criteria must be submitted with the analytical results if the sample is time-composited.

Grab samples for volatile organic analysis may be composited in the laboratory prior to analysis.

All requirements for sample containers, sample preservation and holding times for the applicable test method shall be those listed in Table II of Guidelines Establishing Test Procedures for the Analysis of Pollutants under the Clean Water Act, 40 CFR Part 136.

Chemical Monitoring

Analysis of samples for priority toxic pollutants must utilize the following methods in order that an acceptable level of detection is obtained:

Parameter	EPA Method*
Purgeable Halocarbons	601 or 624
Purgeable Aromatics	602 or 624
Base/Neutrals and Acids	625
Organochlorine Pesticides and PCBs	608
Aluminum	202.1 or 200.7
Arsenic	206.2
Beryllium	210.2 or 200.7
Cadmium	213.2
Total Chromium	218.2 or 200.7
Copper	220.2 or 200.7
Lead	239.2
Mercury	245.1
Nickel	249.2 or 200.7
Selenium	270.2
Silver	272.2
Zinc	289.1 or 200.7

In addition to performing the analysis for the parameter in accordance with the EPA Method cited above, certain quality assurance and control (QA/QC) procedures must be performed and the data submitted along with the analytical results of the samples collected at the discharge. The required

procedures are contained in the analytical method cited for each parameter and include, but are not limited to the following:

1. Dates and times of sample collection, sample extraction (if performed), and sample analysis.
2. Daily demonstration that measurement system is operating acceptably (GC/MS).
3. Initial and continuing calibration.
4. Daily analysis of reagent water blanks and for inorganic analysis, digested reagent water blanks and a digested mid-level standard.
5. Analysis of a quality control check sample (QC sample) with each batch of not more than 20 samples.
6. Spiking of a minimum of 10% of the discharge samples with the analytes of interest.
7. Spiking of all discharge samples with surrogate standards (GC/MS).
8. Replication of at least one sample or matrix spike with each batch of not more than 20 samples.

Whole Effluent Toxicity Testing

The following test and quality assurance procedures shall be used in the performance of the chronic toxicity tests:

1. Dilution water for the tests shall be reconstituted laboratory water.

2. A minimum of four (4) replicates shall be used for each effluent concentration in the Fathead Minnow Larval Survival and Growth Test.

3. Reference toxicant tests shall be conducted using EPA Methods 1000.0 and 1002.0 in conjunction with tests using the wastewater samples. Control charts developed for inhouse cultures from a minimum of five chronic toxicity tests with the same reference toxicant may be substituted as long as the last test was conducted within 30 days of initiation of the wastewater tests. The NOEC for each reference toxicant test, test species and endpoint shall be reported, along with the raw survival, growth and reproduction data. The source of the test organisms, physical/chemical data recorded during each test and the source of the reference toxicant shall also be reported.

ATTACHMENT IC-15

NOTE: SAS INSTITUTE INC., SAS CIRCLE, PO BOX 8000, CARY, NC 27512-8000

GEORGIA PACIFIC CORPORATION
WASTEWATER DISCHARGE - DSN 001

16:12 FRIDAY, MAY 31, 1991 1

ANALYSIS PERFORMED BY QC LABORATORIES, SOUTHHAMPTON, PA

NPDES #	RM	DSN	SAMPLE DATE	SAMPLE NUMBER	MATRIX	GROUP	PARAMETER	VALUE	REMARK CODE	QC CODE
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	BENZENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	TOLUENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	CHLOROBENZENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	ETHYLBENZENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	CHLOROMETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	BROMOMETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	VINYL CHLORIDE	0.15	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	CHLOROETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	METHYLENE CHLORIDE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	1,1-DICHLOROETHENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	1,1-DICHLOROETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	TRANS-1,2-DICHLOROETHENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	CHLOROFORM	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	1,2-DICHLOROETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	1,1,1-TRICHLOROETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	CARBON TETRACHLORIDE	0.27	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	DICHLOROBROMOMETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	1,2-DICHLOROPROPANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	TRANS-1,3-DICHLOROPROPENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	TRICHLOROETHENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	DIBROMOCHLOROMETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	1,1,2-TRICHLOROETHANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	CIS-1,3-DICHLOROPROPENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	BROMOFORM	0.50	U	4
NJ0004669	104.4	001	28JUN90	234002	EFFLUENT	VOLATILES	1,1,2,2-TETRACHLOROETHANE	0.50	U	4

ATTACHMENT IC-16

GEORGIA PACIFIC CORPORATION
WASTEWATER DISCHARGE - DSN 001

ANALYSIS PERFORMED BY QC LABORATORIES, SOUTHAMPTON, PA

NPDES #	RM	DSN	SAMPLE DATE	SAMPLE NUMBER	MATRIX	GROUP	PARAMETER	VALUE	REMARK CODE	QC CODE
NJ0004669	104.4	001	23JUN90	234002	EFFLUENT	VOLATILES	1,4-DICHLOROBENZENE	0.5	U	4
NJ0004669	104.4	001	23JUN90	234002	EFFLUENT	VOLATILES	1,3-DICHLOROBENZENE	0.5	U	4
NJ0004669	104.4	001	23JUN90	234002	EFFLUENT	VOLATILES	1,2-DICHLOROBENZENE	0.5	U	4
NJ0004669	104.4	001	23JUN90	234002	EFFLUENT	VOLATILES	ACROLEIN	.		
NJ0004669	104.4	001	23JUN90	234002	EFFLUENT	VOLATILES	ACRYLONITRILE	.		
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	PHENOL	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	2-CHLOROPHENOL	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	2-NITROPHENOL	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	2,4-DIMETHYLPHENOL	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	2,4-DICHLOROPHENOL	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	4-CHLORO-3-METHYLPHENOL	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	2,4,6-TRICHLOROPHENOL	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	2,4-DINITROPHENOL	500.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	4-NITROPHENOL	500.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	2-METHYL-4,6-DINITROPHENOL	500.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA ACIDS	PENTACHLOROPHENOL	500.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	N-NITROSODIMETHYLAMINE	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	BIS (2-CHLOROETHYL) ETHER	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	1,3-DICHLOROBENZENE	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	1,4-DICHLOROBENZENE	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	1,2-DICHLOROBENZENE	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	BIS (2-CHLOROISOPROPYL) ETHER	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	HEXACHLOROETHANE	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	N-NITROSODI-N-PROPYLAMINE	100.0	U	4
NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	NVOA B/N	NITROBENZENE	100.0	U	4

ATTACHMENT K-17

NJ0004669 104.4 001 28JUN90 234769 EFFLUENT NVOA B/N ISOPHORONE 100.0 U 4

GEORGIA PACIFIC CORPORATION
WASTEWATER DISCHARGE - DSN 001

ANALYSIS PERFORMED BY QC LABORATORIES, SOUTHHAMPTON, PA

NPDES #	RM	DSN	SAMPLE DATE	SAMPLE NUMBER	MATRIX	GROUP	PARAMETER	VALUE	REMARK CODE	QC CODE
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BIS (2-CHLOROETHOXY) METHANE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	1,2,4-TRICHLOROBENZENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	NAPTHALENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	HEXACHLOROBUTADIENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	HEXACHLOROCYCLOPENTADIENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	2-CHLORONAPHTHALENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	ACENAPHTHYLENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	DIETHYL PHTHALATE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	2,6-DINITROTOLUENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	ACENAPHTHENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	2,4-DINITROTOLUENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	FLUORENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	4-CHLOROPHENYL PHENYL ETHER	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	DIMETHYL PHTHALATE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	1,2-DIPHENYLHYDRAZINE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	N-NITROSODIPHENYLAMINE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	4-BROMOPHENYL PHENYL ETHER	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	HEXACHLOROBENZENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	PHENANTHRENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	ANTHRACENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	DI-N-BUTYL PHTHALATE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	FLUORANTHENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	PYRENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BENZIDINE	500.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BUTYL BENZYL PHTHALATE	100.00	U	4

ATTACHMENT E-28

NJ0004669 104.4 001 28JUN90 234769 EFFLUENT NVOA B/N BENZO (A) ANTHRACENE 100.00 U 4

GEORGIA PACIFIC CORPORATION
WASTEWATER DISCHARGE - DSN 001

ANALYSIS PERFORMED BY QC LABORATORIES, SOUTHHAMPTON, PA

NPDES #	RM	DSN	SAMPLE DATE	SAMPLE NUMBER	MATRIX	GROUP	PARAMETER	VALUE	REMARK CODE	QC CODE
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	CHRYSENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	3,3'-DICHLOROBENZIDINE	200.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BIS (2-ETHYLHEXYL) PHTHALATE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	DI-N-OCTYL PHTHALATE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BENZO(B)FLUORANTHENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BENZO(K)FLUORANTHENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BENZO(A)PYRENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	INDENO(1,2,3-CD)PYRENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	DIBENZO(A,H)ANTHRACENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	NVOA B/N	BENZO(GHI)PERYLENE	100.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ALDRIN	0.05	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ALPHA-BHC	0.05	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	BETA-BHC	0.05	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	DELTA-BHC	0.05	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	GAMMA-BHC (LINDANE)	0.05	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	4,4'-DDT	0.10	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	4,4'-DDD	0.10	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	4,4'-DDE	0.10	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	DIELDRIN	0.10	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ENDOSULFAN I	0.05	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ENDOSULFAN II	0.10	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ENDOSULFAN SULFATE	0.10	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ENDRIN	0.05	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ENDRIN KETONE	0.10	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	HEPTACHLOR	0.05	U	4

ATTACHMENT K-19

NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	HEPTACHLOR EPOXIDE	0.05	U	4	

GEORGIA PACIFIC CORPORATION
WASTEWATER DISCHARGE - DSN 001

ANALYSIS PERFORMED BY QC LABORATORIES, SOUTHHAMPTON, PA

NPDES-#	RM	DSN	SAMPLE DATE	SAMPLE NUMBER	MATRIX	GROUP	PARAMETER	VALUE	REMARK CODE	QC CODE
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	ALPHA-CHLORDANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	GAMMA-CHLORDANE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	TOXAPHENE	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	PCB-1016	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	PCB-1221	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	PCB-1232	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	PCB-1242	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	PCB-1248	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	PCB-1254	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	PEST/PCB	PCB-1260	0.50	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	SILVER	50.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	ALUMINUM	3200.00		4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	ARSENIC	50.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	BERYLLIUM	50.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	CADMIUM	10.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	CHROMIUM	50.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	COPPER	50.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	MERCURY	1.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	NICKEL	50.00	U	4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	LEAD	20.00		4
NJ0004669	104.4	001	28JUN90	234769	EFFLUENT	METALS	SELENIUM	10.00	U	4

ATTACHMENT K-10

NJ0004669	104.4	001	23JUN90	234769	EFFLUENT	METALS	ZINC	170.00	4

ATTACHMENT K-21

ATTACHMENT L

REPORT OF STACK TESTS
GEORGIA-PACIFIC CORPORATION
DEROUSSE ROAD
PENNSAUKEN TOWNSHIP, NEW JERSEY

PURPOSE:

The purpose of this test was to determine if the rate of emission of sulfur dioxide to the atmosphere from the Back Boiler Stack was within the standards prescribed by Chapter X of the New Jersey Air Pollution Control Code.

PERSONNEL:

The test was performed by personnel of the New Jersey State Department of Health, Air Pollution Control Program. Participating were:

Mark Pollak - Senior Industrial Hygienist
Henry Smith - Senior Chemist
Michael Farrell - Assistant Public Health Field Worker
Joseph Gentile - Student Assistant
Gary Weaver - Assistant Public Health Field Worker

The Department gratefully acknowledges the assistance of Georgia-Pacific Corporation and expresses its appreciation to Mr. A. J. Marchand, Plant Manager, and Mr. S. Giordano, Plant Engineer.

DATE OF TEST:

The Back Boiler Stack was sampled on September 18, 1968.

PROCEDURE:

1. A velocity traverse was taken in the Back Boiler Stack, 16 feet above the boiler.

2. A series of ten test runs were taken for sulfur dioxide concentration in the stack at a point 16 feet above the top of the boiler.

3. The amount of fuel burned during the period of the test was determined by taking oil level readings at the storage tank at the beginning and end of each test run.

4. The method used for the determination of sulfur dioxide concentration in the stack gases was the Reich Test.[1]

TEST RESULTS:

RUN NO.	DATE	TIME	SO_2 EMISSIONS, LB/HR. ALLOWABLE	ACTUAL
1	September 18, 1968	10:08 a.m.	96	97
2	September 18, 1968	10:16	96	103
3	September 18, 1968	10:22	96	97
4	September 18, 1968	10:28	96	100
5	September 18, 1968	10:34	96	104
6	September 18, 1968	10:40	96	110
7	September 18, 1968	10:46	96	112
8	September 18, 1968	10:52	96	112
9	September 18, 1968	10:58	96	105
10	September 18, 1968	11:04	96	98
			average	104

CONCLUSION:

The test results indicated that the emissions to the outdoor atmosphere from the Back Boiler Stack exceeded the standard prescribed by Chapter X of the New Jersey Air Pollution Control Code.

Mark Pollak

Mark Pollak
Senior Industrial Hygienist
Air Pollution Control Program

1. Atmospheric Emissions From Sulfuric Acid Manufacturing Processes. Public Health Service Publication No. 999-AP-13, 67-80.

ATTACHMENT 6-2

Report of Stack Tests
Georgia - Pacific Corporation
Derousse Road
Pennsauken Township, New Jersey

Purpose: The purpose of this test was to determine if the rate of emissions of sulfur dioxide to the atmosphere from the Back Boiler Stack was within the standards prescribed by Chapter X of the New Jersey Air Pollution Control Code.

Personnel: The test was performed by personnel of the New Jersey State Department of Health, Air Pollution Control Program. Participating were:

Henry Smith - Senior Chemist
Roger Watson - Sr. Public Health Engineer
Carl Wetterling - Assistant Public Health Field Worker

The Department gratefully acknowledges the assistance of Georgia-Pacific Corporation and expresses its appreciation to Mr. A. J. Marchand, Plant Manager, Mr. S. Giordano, Plant Engineer and Mr. Mike Freemont, Plant Chemist.

Date of Test: The Back Boiler Stack was sampled on February 20, 1969.

Procedure:

1. A velocity traverse was taken in the Back Boiler Stack, 16 feet above the boiler.
2. A series of ten test runs were taken for sulfur dioxide concentration in the stack at a point 16 feet above the top of the boiler.
3. The amount of fuel burned during the period of the test was determined by taking oil level readings at the storage tanks at the beginning and end of each test run. The fuel tank fed two boilers. From the steam flow charts of the two boilers, the proportion of oil to each boiler was determined.
4. The method used for the determination of sulfur dioxide concentration in the stack gases was the Reich test.[1]

[1] Atmospheric Emissions From Sulfuric Acid Manufacturing Process. Public Health Service Publication No. 999 - AP-13, 67-80.

ATTACHMENT 6-3

Test Results:

Run No.	Date	Time	SO_2 Emissions, Allowable	Lb/Hr. Actual
1	2/20/69	1:47 pm	48.3	67.6
2	" "	1:54	48.3	73.2
3	" "	2:03	48.3	75.2
4	" "	2:07	48.3	76.7
5	" "	2:12	48.3	75.2
6	" "	2:17	48.3	63.7
7	" "	2:23	48.3	64.3
8	" "	2:28	48.3	66.5
9	" "	2:32	48.3	63.4
10	" "	2:35	48.3	66.7
11	" "	2:38	48.3	69.2
12	" "	2:42	48.3	69.2

Conclusion: The test results indicated that the emissions to the atmosphere for the Back Boiler Stack was not within the standard prescribed by Chapter X of the New Jersey Air Pollution Control Code.

Henry Smith
Senior Chemist
Air Pollution Control Program

HS:cjc

ATTACHMENT C-4

ATTACHMENT M

Company Name GEORGIA-PACIFIC CORPORATION Plant I.D. No. 50003

DEROUSSE AVE. & DELAWARE RIVER-PENNSAUKEN TWP.

Legal Action Log

Date	Subchapter Section Paragraph	Action Taken	Penalty
4-19-67	3.2 (a)	ORDER	NONE
12-13-73	VARIANCES	P-29 & 30-OIL	
3-25-74	VARIANCES	RESCINDED	
10-1-76	3.2 (a)	NOTICE OF PROSECUTION	$100

ATTACHMENT M-1

ATTACHMENT N

Let's protect our earth

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
Trenton, N.J. 08625-0029

(609) 292-1637
Fax # (609) 984-7938

orge H. Berkowitz, Ph.D.
cting Director

IN THE MATTER OF :

GEORGIA-PACIFIC :

CORPORATION :

ADMINISTRATIVE ORDER
AND
NOTICE OF CIVIL ADMINISTRATIVE
PENALTY ASSESSMENT

This Administrative Order and Notice of Civil Administrative Penalty Assessment is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "NJDEP") by N.J.S.A. 13:1D-1 et seq. and the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., and duly delegated to the Assistant Director of the Division of Water Resources, Enforcement Element pursuant to N.J.S.A. 13:1B-4.

FINDINGS

1. The Georgia-Pacific Corporation, a Georgia corporation, (hereinafter "Georgia-Pacific") operates a facility located at Block 109, Lots 11, 12, & 14, Derousse Avenue, Pennsauken Township, Camden County, New Jersey (the "site").

2. NJDEP issued a New Jersey Pollutant Discharge Elimination System ("NJPDES") Discharge to Surface Water Permit No. NJ0004669 (hereinafter "the Permit") to Georgia-Pacific on December 16, 1983. The effective date of the Permit was February 1, 1984.

3. Pursuant to the Permit, Georgia-Pacific discharges process wastewater and stormwater runoff, which contain pollutants as defined by N.J.A.C. 7:14A-1.9, through discharge 001 into Zone 3 of the Delaware River and the ground waters of the State.

4. No person shall discharge any pollutant except in conformity with a valid NJPDES Permit issued pursuant to the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq.

N-1

5. Part II, Page 6, Section B.2.a of the Permit requires that discharge monitoring results obtained during the previous reporting period shall be summarized and reported to NJDEP on Discharge Monitoring Report (hereinafter "DMR") forms. The DMRs were to be postmarked and submitted to NJDEP no later than the 25th of the month following the completed reporting period.

6. A review of NJDEP's records indicates that Georgia-Pacific did not submit DMRs for the 001 outfall discharge for the months of August 1, 1988 thru January 31, 1989 in conformity with the time frame set forth in the Permit.

7. Part IV, Section II of the Permit requires Georgia-Pacific to conduct 96-hour bioassay tests every three months and report the results to NJDEP within sixty (60) days after completion.

8. The bioassay test results as referenced in paragraph seven (7) above for the period of February 1, 1988 through January 31, 1989 were not submitted by Georgia-Pacific as required by the Permit.

9. Part IV, Section A.1 of the Permit sets forth specific parameters to be reported on DMRs and identifies discharge limitations for each parameter for each permitted outfall.

10. Georgia-Pacific has submitted DMRs to NJDEP as required by Part II, Section B.2.a. of the Permit for the period of February 1, 1988 through July 31, 1988. The DMRs demonstrate that Georgia-Pacific has violated the discharge limits of the Permit. Listed below are the dates and parameters which were violated.

Monitoring Period	Outfall #	Discharge Parameter	Permit Limits	Reported Results
2/1-4/31/88	001A	BOD_5	268 kg/day(av)	306 kg/day
5/1-7/31/88	001A	BOD_5	406 kg/day(mx)	640 kg/day

The follwing abbreviations were used in the table above:
BOD_5 - Biochemical Oxygen Demand (5 Day)
kg - kilograms
av - average
mx - maximum

11. Georgia-Pacific is required to have all samples analyzed by a laboratory which approved and/or certified by NJDEP pursuant to Part I, Section (j)3 of the permit and N.J.A.C. 7:14A-2.5(a)12ii.

12. On May 19, 1988 and January 31, 1989 a representative of NJDEP conducted Compliance Evaluation Inspections of the site which revealed that the analyses reported on the DMRs for the period of February 1, 1988 through July 31, 1988 were not performed by an approved and/or certified laboratory thereby invalidating the results reported on the DMRs. A Notice of Violation ("NOV") was issued to Georgia-Pacific during each of the Compliance Evaluation Inspections citing the violations contained in the above FINDINGS.

ATTACHMENT N-2

ATTACHMENT O

Georgia-Pacific Corporation

133 Peachtree Street, N.E. (30303)
P.O. Box 105605
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July 15, 1991

Mr. Michael DiGiore
N.J. Department of Environmental Protection
Division of Hazardous Waste Management
401 E. State Street
CN028
Trenton, New Jersey 08625

Dear Mr. DiGiore,

This letter is pursuant to your visit to the Georgia-Pacific Corporation facility at Delair, NJ on May 31, 1991 and in response to your inquiry of the G-P submittal of Part "A" hazardous waste notification in 1980. As you know, facilities submitted Part "A" notification as a protective measure due to the uncertainty and complexity of the new hazardous waste regulation at that time.

The Delair facility made notification based on two "solvents" in use at the plant at that time. It is now felt that these substances were incorrectly identified as F001 and F002 wastes. The two "solvents" were kerosene and a degreaser and rust preventative supplied by CRC Chemicals with the trade name CRC 2-26. We are enclosing a copy of the MSDS on CRC 2-26.

Your expressed concern during your plant visit was related to old "temporary storage lagoon" and what may have been placed in the lagoon.

Although the lagoon was constructed, no waste materials were ever placed in it, indeed the lining in the lagoon eventually blew away as a consequence of lack of use. The lagoon was subsequently filled (closed) and the new water treatment tank was installed over the site.

Georgia-Pacific contends that Delair facility has never been other than a small quantity generator of hazardous waste. The waste kerosene is characteristic waste due to ignitability and is collected and burned in the on-site boiler. The CRC 2-26 is no longer used. The last purchase was one 55 gallon drum in 1986 that still contains some material that is retained for potential use if necessary.

ATTACHMENT O